रजिस्टर्ड सं. डी--(डी एन)--128/90 REGISTERED NO. D.—(D.N.) 128/90

सत्यमेव जयते

भारत का राजपत्र
The Gazette of India

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

सं० 49] नई दिल्ली, शनिवार, दिसम्बर 8, 1990 (अग्रहायण 17, 1912)
No. 49] NEW DELHI, SATURDAY, DECEMBER 8, 1990 (AGRAHAYANA 17, 1912)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

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Calcutta, the 8th December, 1990

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Telegraphic address "PATENTOFIS".

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234/4, Acharya Jagdish Bose Road,
Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

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पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 8 दिसम्बर 1990

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में स्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोढी इस्टेट,
तीसरा तल, लोअर परेल (पश्चिम),
बम्बई-400 013

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा दिव एवं दादरा और नगर हवेली।

तार पता—"पेटोफिस"

पेटेंट कार्यालय शाखा,
इकाई सं० 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली।

तार पता—"पेटेंटोफिक"

पेटेंट कार्यालय शाखा,
61, वालाजाह रोड,
मद्रास-600 002

आंध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप, मिनिकॉय तथा एमिनिदिवि द्वीप।

तार पता—"पेटेंटोफिस"

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700 020

भारत का अवशेष क्षेत्र

तार पता—"पेटेंट्स"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे।

शुल्क : —शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय स्थित है, उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है।

CORRIGENDUM

In the Gazette of India, Part-III, Section-2, dated 28th July, 1990 under heading Complete Specification accepted, in Page 846. Column-1, against No. 166879 add "3. SMT. SURANJANA ROY" at the end in Inventor's name.

THE PATENT OFFICE

Calcutta, the 8th December, 1990

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed under Section 135 of the Patents Act, 1970.

31st October, 1990

918/Cal/90 E.I. Du Pont De Nemours and Company. Chlorofluoro-hydrocarbon purification process.

1st November, 1990

919/Cal/90 Hodogaya Chemical Co. Ltd. Process for producing benzamide derivative.

5th November, 1990

920/Cal/90 E.I. Du Pont De Nemours and Company. Para-Phenylene diamine polymer color improvement.

921/Cal/90 Johnson & Johnson Consumer Products, Inc. Stable oral composition of zinc.

922/Cal/90 Aura Systems, Inc. Unique modulation television.

923/Cal/90 Samsung Electronics Co. Ltd. Correction algorithm for contiguous CCD elements leakage.

924/Cal/90 Samsung Electronics Co. Ltd. Improving the removal of the folding carrier and sidebands from an unfolded video signal.

925/Cal/90 Samsung Electronics Co. Ltd. Control signal spreader.

6th November, 1990

926/Cal/90 Samar Singh Nahar. Method of manufacture of protective plastic toe caps.

927/Cal/90 Somar Corporation. Method of fabrication bent metal body with resin coating.

928/Cal/90 Du Pont Canada Inc. Self voiding jaw for packaging machine.
(Convention date 20th December, 1989; No. 89.28799; United Kingdom)

929/Cal/90 Stopinc Aktiengesesslchaft. Apparatus for connecting a pouring tube to the outlet of a vessel containing a metal melt.

930/Cal/90 Richter Gedeon Vegyeszeti Gyar Rt. Novel Pyridine derivatives, pharmaceutical compositions containing them and process for preparing same.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDIN IIIRD FLOOR, KAROL BAGH, NEW DELHI-110005

1st October, 1990

953/Del/90 Carrier Corporation, "Embossed vortex generator enhanced plate fin".

954/Del/90 Aeternum S.R.L., "Operating valve for pressure cookers".

955/Del/90 Aeternum S.R.L., "Handle for pots".

956/Del/90 GEC Alsthom Ltd, "High current switch components".

957/Del/90 C.R. Bard, Inc, "Multilumen catheter with variable cross-section lumens".

958/Del/90 Co. Ge It. S.R.L. Costruzioni Generali Italiane, "Process for tanning fish akin". [Divisional date 29th July, 1987].

959/Del/90 Co. Ge. It. S.R.L. Costruzioni Generali Italiane, "Process for tanning fish akin". [Divisional date 29th July, 1987].

960/Del/90 Rohm and Haas Co., "Polymer-Containing granulates".
(Convention date 2nd October, 1989) (U.K.).

4th October, 1990

961/Del/90 Council of Scientific & Industrial Research, "A process for the preparation of a cathode for use in a magnesium metal oxide air cell". (Divisional date 4th October, 1990].

962/Del/90 Photon Energy, Inc, "A photovoltaic cell". [Divisional date 7th October, 1987].

963/Del/90 R.V. Engineers & Fabricators, "A mobile road layer".

964/Del/90 R.V. Engineers & Fabricators, "A mobile road layer".

965/Del/90 R.V. Engineers & Fabricators, "A box spreader".

966/Del/90 Mukund Ramchandra Brahmarakshas, "An improved float valve".

967/Del/90 Mukund Ramchandra Brahmarakshas, "A tap".

968/Del/90 Glaverbel, "Ceramic welding process and lance for use in such process".

969/Del/90 Gec Plessey Telecomunications Ltd, "Fault detection and bandwidth monitoring means for a packet switching arrangement". (Convention date 13th October, 1989) (U.K.).

970/Del/90 The Governors of the University of Alberta, "Silver recovery from spent photographic solutions". (Convention date 12th October, 1989) (Canada).

971/Del/90 Faro Fabbrica Apparecchiature Razionali Odontotecniche S.p.A, "Apparatus and method for carrying out devitalizations and root canal treatments in teeth, and for sealing the treated teeth".

5th October, 1990

972/Del/90 Vinay Kumar, "The new improved desert room cooler".

973/Del/90 Exxon Chemical Patents, Inc, "Very high molecular weight polyethylene".

974/Del/90 Polysar Ltd, "Chlorinated epdm with superior stability".

975/Del/90 STC PLC, "Deploying cables". (Convention date 7th October, 1989) (U.K.).

8th October, 1990

976/Del/90 Warner-Lambert Co., "Razor mechanism with slidable cartridge support".

977/Del/90 Exxon Research and Engineering Co., "Zeolite aggregates and catalysts".

978/Del/90 Mitsui Petrochemical Industries, Ltd, "Lubricant oil compositions".

979/Del/90 Motorola Inc, "Digital speech coder having optimized signal energy parameters".

9th October, 1990

980/Del/90 Gourav Bhutani, "Low cost image acquisition system (frame grabber)".

981/Del/90 Motorola Inc, "Distributed synchronization method for a wireless fast packet communication system".

982/Del/90 Shell Internationale Research Maatschappij B.V, "Novel compounds". (Convention date 18th October, 1989) (U.K.).

983/Del/90 Dr. Beck & Co. Aktiengesellschaft, "Wire enamels and a process for the continuous coating of wires".

984/Del/90 STC PLC., "Aerial optical fibre cable". (Convention date 12th October, 1989) (U.K.).

985/Del/90 Smiths Industries Public Ltd. Co., "Locking mechanisms". (Convention date 17th October, 1989) (U.K.).

10th October, 1990

986/Del/90 Emhart Industries Inc, "Moving means for use in a glassware forming machine". (Convention date 1st November, 1989) (U.K.).

987/Del/90 Parsons Chain Co. Ltd, "Scraper chain conveyor assemblies". (Convention date 19th October, 1989) (U.K.).

988/Del/90 Imperial Chemical Industries PLC., "Thixotropic binder systems for thixotropic coating compositions". (Convention date 26th October, 1989) (U.K.).

989/Del/90 C.R. Bard, Inc, "Occluding catheter and methods for treating cerebral arteries".

11th October, 1990

990/Del/90 Kunwar Gaurav Raghava, "Improvement in common funnel".

991/Del/90 The Procter & Gamble Co & Novo Industri A/S., "Dye transfer inhibition".

992/Del/90 Cooper Power System, Inc, "Series gapped metal oxide surge arrester".

993/Del/90 The Standard Oil Co., "A photovoltaic device". [Divisional date 18th December, 1987].

994/Del/90 Industrial Control Systems B.V., "A method and an electronic system for recording and processing time-related data".

12th October, 1990

995/Del/90 New Logic International Inc, "Device and method for filtering a colloidal suspension".

996/Del/90 Richardson-Vicks, Inc, "Improved facial cleansing compositions".

997/Del/90 Sanford Redmond Inc, "Method and apparatus for collating automatically produced packages or other production units".

998/Del/90 International Business Machines Corporation, "Grounding apparatus for rail-mounted devices employed in a computer".

999/Del/90 International Business Machines Corporation, "Support structure for devices in a computer apparatus".

1000/Del/90 International Business Machines Corporation, "Removable guide apparatus for a rail-mounted device employed in a computer".

1001/Del/90 International Business Machines Corporation, "Apparatus for reducing electromagnetic radiation from a compu r device".

1002/Del/90 International Business Machines Corporation, "Enclosure apparatus for retaining devices within a computer".

1003/Del/90 International Business Machines Corporation, "Adapter structure for devices in a computer apparatus".

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, IIIRD FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST), BOMBAY-13

1st October, 1990

255/Bom/90 Ahmedabad Textile Industry's Research Association. Method and apparatus for removal of biodegradable impurities from effluents discharged from sizing/desizing operations.

256/Bom/90 Ahmedabad Textile Industry's Research Association. Process for treating the composite effluents discharged by a cluster of textile chemical processing units.

257/Bom/90 Ahmedabad Textile Industry's Research Association. Method and device to maintain the quality of water resources.

4th October, 1990

258/Bom/90 Gajanan Govind Dandekar. Improvements in or relating to tooth-brushes.

5th October, 1990

259/Bom/90 Hindustan Lever Limited. 6th October, 89 Great Britain. Oral Compositions.

260/Bom/90 Hindustan Lever Ltd. 5th October, 89 Great Britain. Oral Compositions.

8th October, 1990

261/Bom/90 Eerste Nederlandse Fabriek Van Weegwerktuigen Jan. Weight checking apparatus.

262/Bom/90 Gajanan Govind Dandekar. Improvement in or relating to ventilation for insides of vehicle/s.

263/Bom/90 Gajanan Govind Dandekar. Improvements in or relating to clinical thermometers and their cases.

264/Bom/90 Gajanan Govind Dandekar. Improvement in or relating to suitcases, brief cases, bags or other pieces of luggage.

265/Bom/90 Murli Bhagwandas Rohra. Improved sealing wire.

10th October, 1990

266/Bom/90 Eruchsha Nariman Contractor. A device for alternate energy to extract energy from the moving particles of air/gas.

11th October, 1990

267/Bom/90 Ajay Windecor Products Pvt. Ltd. An improved curtain rail system and components thereof.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

22nd October, 1990

840/Mas/90 Sollac. Installation and process for electrolytic coating of a metal strip.

841/Mas/90 Rank Taylor Hobson Limited, Apparatus for measuring relative velocity of first and second movable members. (December 12, 1985; United Kingdom.) (Divisional to Patent Application No. 892/Mas/86).

842/Mas/90 Lucas-TVS Ltd.. An electronic regulator for DC charging systems.

843/Mas/90 Amco Batteries Limited. A knapsack distilled water storage and dispensing system.

844/Mas/90 Dr. G. Venkataraman. An integrated circuit device for high speed floating point arithmetic operations to be used with microprocessors.

845/Mas/90 Gopi Madurai. M.G.R. Power Boat.

846/Mas/90 Pavuluri Rama Lakshmana Rao. Dipper circuit for automatic automobile head lamp dipping.

24th October, 1990

847/Mas/90 Hackforth GMBH & CO.. High resilient shaft coupling.

848/Mas/90 Inventio AG. Method and device for the reduction of the danger of getting caught in automatic doors.

25th October, 1990

849/Mas/90 Dr. Chacko P. Zachariah. Element and energy production device.

850/Mas/90 Miat S.P.A. Multi-dose inhaler for medicements in powder form.

851/Mas/90 Egis Gyogyszergyar. Novel Triazolyl hydrazide derivatives and process for their preparation.

852/Mas/90 Egis Gyogyazergyar. Novel triazolo derivatives and process for their preparation.

853/Mas/90 UNIFI Communications Corporation. Switchless automatic call distribution system.

854/Mas/90 Union Carbide Corporation. An orthopedic/orthotic cast. (Divisional to Patent Application No. 2/Mas/87).

855/Mas/90 Esmil water Systems BV. Filteration apparatus.

856/Mas/90 Elkem technology a/s. Device for separating solid particles from a fluid.

26th October, 1990

857/Mas/90 V.V. Thanga Thirupathy. Bumped swinger driving automotive device for bicycles and other vehicles.

858/Mas/90 Rhone-Poulenc Sante. Method for the determination of the iodine content of drinking water.

859/Mas/90 Malcolm George Clulow and David Frederick Winnett. Thermal storage medium. (October 27, 1989; Britain).

860/Mas/90 Western Mining Corporation Limited and Foseco Pty. Ltd. Dense SiC Ceramic Products. (October 26, 1989; Australia).

ALTERATION

167678 (763/Mas/86) : Anti-dated March 23, 1984.

167690 (544/Del/88) : Anti-dated November 14, 1985.

167706 (671/Mas/86) : Anti-dated January 31, 1984.

167719 (583/Mas/86) : Anti-dated February 22, 1984.

PATENTS SEALED

166016 166065 166086 166105 166108 166112 166131 166150 166207 166216 166217 166271 166272 166283 166286 166312.

CAL—2

DEL—6

MAS—6

BOM—2

RENEWAL FEES PAID

146167 146982 147949 147965 148603 149042 149122 149244 149834 149925 149930 150366 150367 150368 150373 150435 150729 150973 151059 151168 151231 151608 151643 151664 151734 151768 151820 151852 152083 152091 152099 152296 152297 152446 152460 152467 152496 152511 152580 152623 152715 152766 152807 152897 153062 153143 153276 153408 153437 153692 153843 153870 153872 153883 153990 153991 154056 154195 154226 154448 154537 154881 155044 155045 155569 155758 156133 156171 156180 156223 156224 156261 156361 156362 156404 156477 156500 156561 156658 156690 156700 156807 156869 156937 157068 157206 157207 157586 157616 157627 157957 158101 158199 158273 158501 158544 159241 159330 159382 159426 159453 159521 159629 159669 159936 159939 160006 160078 160244 160342 160701 160718 161556 161603 161624 161779 161839 162124 162152 162165 162337 162398 162546 162637 162639 162661 162703 162717 162727 162728 162758 162759 162771 162972 163025 163131 163137 163155 163409 163497 163683 163701 163868 163940 163941 163977 164167 164217 164302 164358 164536 164790 164835 164836 164838 164880 164918 164928 165016 165019 165090 165109 165143 165236 165335 165336 165337 165338 165340 165358 165359 165376 165394 165407 165408 165415 165417 165467 165484 165499 165506 165544 165552 165554 165573 165591 165598 165611 165613 165616 165617 165618 165619 165621 165623 165628 165630 165634 165635 165827 165829 165884 165887 165924 165927 165928 165929 165930 165947 166032 166034 166035 166036 166038 166063 166064 166066 166067 166068 166069 166083 166084 166121.

COMPLETE SPECIFICATION ACCEPTED

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The classifications given beow in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompained by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्द्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र-14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्व को ऐसे विरोध की सूचना विहित प्रपत्र-15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथाविहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तरराष्ट्रीय वर्गीकरण के अनुरूप हैं।"

नीचे सूचीगत विनिर्देशों की सीमित संख्यक में मुद्रित प्रतियाँ, भारत सरकार बुक डिपो, 8, किरण शंकर राय रोड, कलकत्ता में विक्रय हेतु यथासमय उपलब्ध होंगी। प्रत्येक विनिर्देश का मूल्य 2-/ रु० है (यदि भारत के बाहर भेजे जाएं तो अतिरिक्त डाक खर्ची)। मुद्रित विनिर्देश की आपूर्ति हेतु मांग पत्र के साथ निम्नलिखित सूची में यथाप्रदर्शित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां, यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता द्वारा विहित लिप्यान्तरण प्रभार उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरांत उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु० है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Ind. Cl. : 69 K [GROUP LVII (3)] 167671
Int. Cl[4]. : H 01 H 33/12, H 01 H 33/42.

GAS-BLAST CIRCUIT BREAKER

Applicant : BBC BROWN BOVERI LTD. FORMERLY KNOWN AS BBC BROWN BOVERI & COMPANY LIMITED, OF CH-5401 BADEN, SWITZERLAND, A SWISS COMPANY.

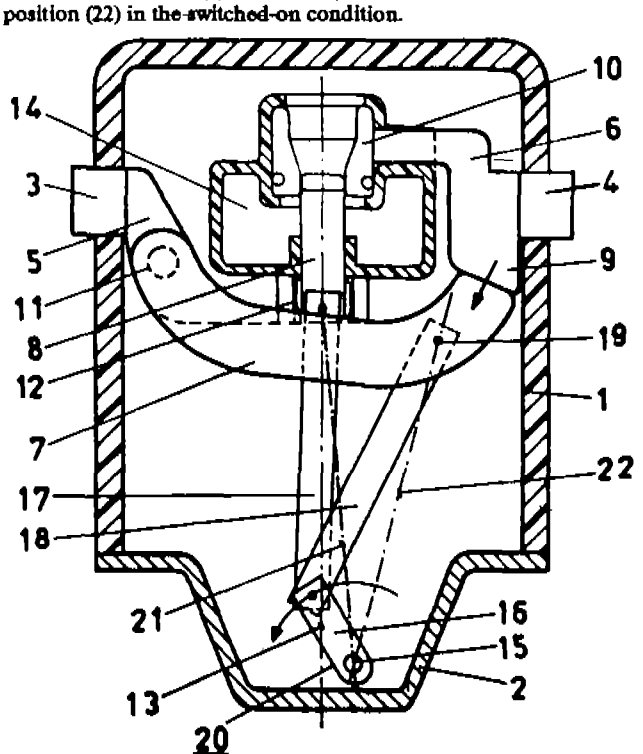
Inventor : (1) JURG ISCHI, (2) ANDREAS PLESSL.

Application No. 94/Mas/86 filed on 11th February, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

5 Claims

Gas-blast circuit breaker comprising a housing (1) which is filled with insulating gas and extends along on axis (13), two electric connections (5, 6) which are carried into the housing (1) essentially transversely with respect to the axis (13), a switching chamber (14) which is arranged in the housing (1), two arcing contacts (8, 10) which are located in the switching chamber (14) and are in each case connected to one of the electric connections (5, 6), one moving contact (8) of which arcing contacts is displaceable along the axis (13), two rated-current contacts (7, 9) which are located in the housing (1) and are in each case connected to one of the electric connections (5, 6), and comprising a drive acting on the moving arcing (8) and the moving rated-current contact (7), characterised in that the moving rated-current contact (7) is rotatably supported, that the drive has two rods (17, 18) of insulating material which are pivoted at a drive crank (20) and a first (17) of which rods is pivoted at the moving arcing contact (8) and a second (18) of which is pivoted at the moving rated-current contact (7), and that the two rods (17, 18) of insulating material are pivoted at the driving crank (20) in such a manner that, during the disconnecting process, a thrust crank formed by the driving crank (20), the first rod (17) of insulating material and the moving arcing contact (8) passes through a first dead-centre position (21) before reaching the disconnected conditions, and a crank-rocker linkage formed by the driving crank (20), the second rod (18) of insulating material and the moving rated-current contact (7) is essentially located in a second dead-centre position (22) in the switched-on condition.



Compl. Specn. 11 Pages. Drg. 1 Sheet.

Ind. Cl. : 14 A(1) [GROUP LVIII(1)] 167672
Int. Cl[4]. : H 01 M 2/10, 2/30.

ELECTRIC ACCUMULATOR BATTERY WITH IMPROVED HANDLE AND TERMINAL LOCATIONS.

Applicant : SOCIEDAD ESPANOLA DEL ACUMULADOR TUDOR, S. A. SPANISH ENTITY, OF CONDESA DE VENADITO NO. 1, 28027 MADRID, SPAIN.

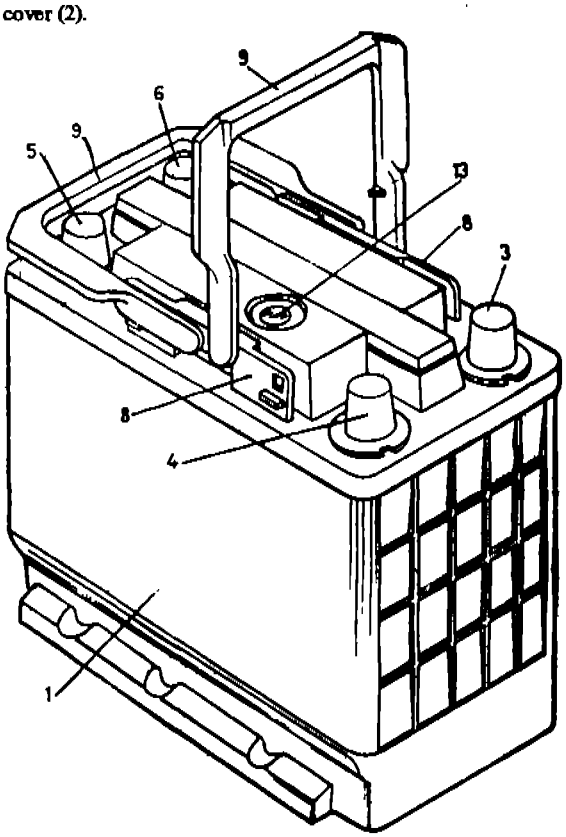
Inventor : JUAN ANTONIO LOPEZ DORIGA.

Application No. 451/Mas/86 filed on 11th June, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

5 Claims

An electric accumulator battery of the type comprising a case, having a generally right prismatic shape, closed at the upper part by a cover through which the connection terminals pass, said case being subdivided inside into two or more cells in which are situated the alternating positive and negative electrodes and the intermediate separators, characterised in that the cover (2) has passing therethrough four terminals (3, 4, 5, 6) connected electrically together in pairs, by means of bridges or bars (7) situated below said cover (2) and in that said cover (2) comprises externally two handles (9) pivotably mounted on the central part in symmetrical position said handles (9) being able to pivot between two endmost positions, one a rest position in which they are folded back against the cover (2), in a coplanar position while defining an upper bearing platform situated above the terminals and a top working position in which the two handles (9) are parallel to each other and approximately perpendicular to the cover (2).



Compl. Specn. 11 Pages. Drgs. 3 Sheets.

Ind. Cl. : 69-G—[GROUP-LIX(1)] 167673
Int. Cl[4]. : H 01 H 33/24; 33/42.

INSULATING OPERATION ROD FOR A PORCELAIN CLAD GAS CIRCUIT INTERRUPTER.

Applicant : MITSUBISHI DENKI KABUSHIKI KAISHA, A JAPANESE COMPANY, OF 2-3, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

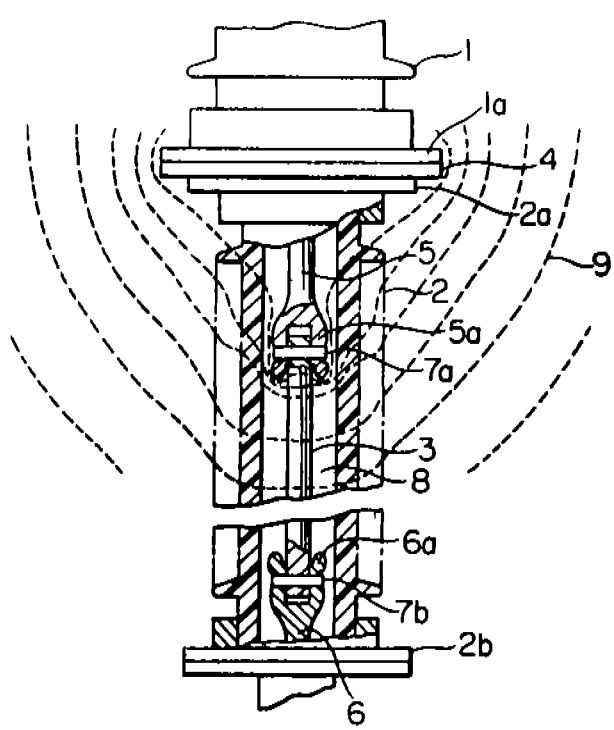
Inventor : NORICHIKA TOSHIMA.

Application No. 455/Mas/86 filed on 12th June, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

6 Claims

An insulating support link device for a gas interrupter including an arc extinguishing porcelain tube defining therein an arc extinguishing chamber in which a stationary and a movable contact are accommodated, said arc extinguishing chamber being filled with an insulating gas; a hollow suport porcelain tube supporting said arc extinguishing porcelain tube and communicating with said arc extinguishing chamber; and an insulating operation rod disposed in said support porcelain tube and connected at its one end to said movable contact and at its other end to a drive source for closing and opening said movable contact against said stationary contact; characterised in that said insulating operation rod has its opposite ends formed hollow; and a pair of shield members are received in the opposite hollow ends of said insulating operation rod, said shield members having their base end mounted on the opposite ends of said insulating operation rod and their distal end configured into a gradually curved shape.



Compl. Specn. 13 Pages. Drgs. 3 Sheets.

Ind. Cl. : 127 D & H [GROUP LXV(1)] 167674
135 [GROUP LXV(2)]
69 G [GROUP LIX(1)]
Int. Cl.[4] : H 01 H-33/36, 33/40.
G 05 G-17/00
F 03 G- 1/00
F 16 H-29/02.

SPRING OPERATING MECHANISM FOR A CIRCUIT INTERRUPTER.

Applicant : MITSUBISHI DENKI KABUSHIKI KAISHA, OF 2-3, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOYKO, JAPAN, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF JAPAN.

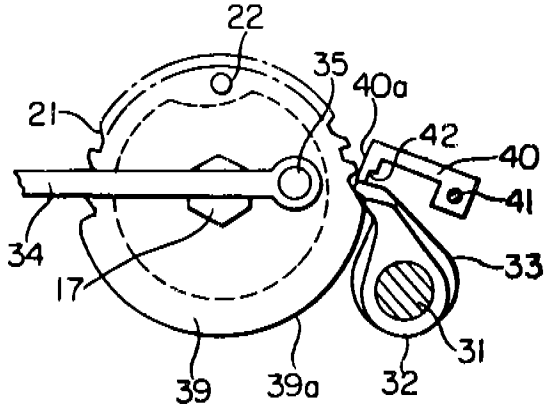
Inventors : KIYOSHI YABE, AKIYOSHI ONUMA.

Application No. 457/Mas/86 filed on 12th June, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

2 Claims

A spring operating mechanism for a circuit interrupter comprising at least one pawl having a tip, means for effecting a rocking motion of said pawl, a ratchet wheel having teeth for being engaged by said pawl and an outer circumferential toothless portion having a larger diameter than the diameter at the teeth, said ratchet wheel being rotated by the rocking motion of said powl, a closing spring which is charged by the rotation of said ratchet wheel and a catch engageable with the tip said pawl when the tip of said pawl rides on said outer circumferential toothless portion of said ratchet wheel and is disengageable by the rocking motion of said pawl.



Compl. Specn. 13 Pages. Drgs. 4 Sheets.

Ind. Cl. : 143-D$_2$—[XL(5)] 167675
Int. Cl.[4] : B 65 B 1/04.

APPARATUS FOR FILLING DANGEROUS SUBSTANCES, IN PARTICULAR EXPLOSIVES, INTO CONTAINERS.

Applicant : DYNAMIT NOBEL AKTIENGESELLSCHAFT, OF POSTFACH 1261, 521 TROISDORF GERMANY, A COMPANY ORGANIZED UNDER THE FEDERAL REPUBLIC OF GERMANY.

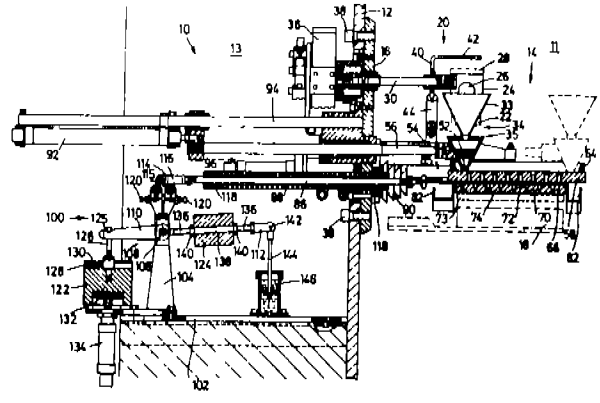
Inventor : WALTER BAJOHR.

Application No. 507/Mas/86 filed July 2, 1986.

Appropri e Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

17 Claims

Apparatus for filling dangerous substances, in particular explosives, into containers, which are portable on a loading plate (18) below a loading means (14) behind a protective wall (12), the loading means (14) is equipped with a measuring slider (66), which is movable backwards and forwards between a loading and a filling position, characterised in a displacement means composed of a force transfer means (100) before the protective wall (12) and a push rod (86) guided through the protective wall (12) wherein the said force transfer means (100) is a link drive with a fixed link (115), said link (115) is connected to a three armed lever (108) having a first lever arm (110) for producing a restoring rotary moment acted upon by a first weight (122), a second lever arm (122) producing a delivery rotational moment acted upon by a second weight (124) as well as a third lever arm (114) connected with the push rod (86).



Compl. Specn. 24 Pages. Drgs 3 Sheets.

Ind. Cl. : 183 [GROUP LXVI (8)] 167676
Int. Cl.[4] : F 16 B 12/00.

A CONNECTING DEVICE.

Applicant : KEELGLEN LIMITED, OF 9 THE PARADE, KILKENNY, COUNTY KILKENNY, REPUBLIC OF IRELAND, A COMPANY ORGANISED UNDER THE LAWS OF THE REPUBLIC OF IRELAND.

Inventor : JOHN CHRISTOPHER JACKMAN.

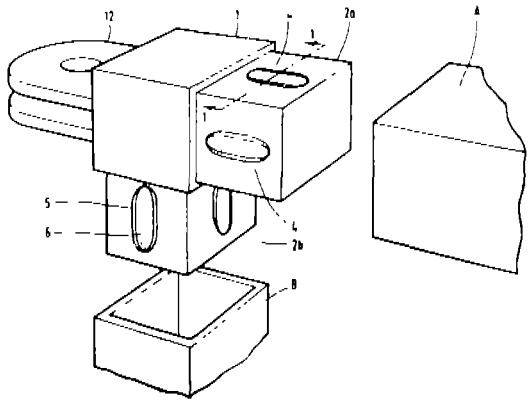
Application No. 517/Mas/86 filed July 4, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

10 Claims

A connecting device for connection to at least one elongate element to form a structure, the connecting device comprising at least one connector member having a portion sized to engage with the elongate element, the portion having at least one recess in the surface for mating with a surface on the elongate element; and a bonding insert mechanically fixable in the recess and proportioned to be held in the recess by the mating surface of the elongate member;

characterised in that the bonding insert includes a base made of material compatible with the material of the elongate element and an upper layer of a bonding medium disposed on the base; whereby upon application of heat to the portion of the connector member and elongate element, the bonding medium bonds the base of the bonding insert to the surface of the elongate element.



Compl. Specn. 9 Pages. Drgs. 3 Sheets.

Ind. Cl. : 190 B [GROUP XLIV (4)] 167677
Int. Cl.[4] : F 01 D 5/22.

DEVICE FOR TYING THE MOVING BLADES OF A THERMAL TURBO-MACHINE BY PROJECTIONS EXTENDING IN THE CIRCUMFERENTIAL DIRECTION WHICH ARE RIGIDLY CONNECTED IN PAIRS TO THEIR ALLIED MOVING BLADE.

Applicant : MAN GUTEHOFFNUNGSHUTTE GMBH, OF BAHNHOFSTRS. 66, 4200 OBERHAUSEN 11, WEST GERMANY, A WEST GERMAN COMPANY.

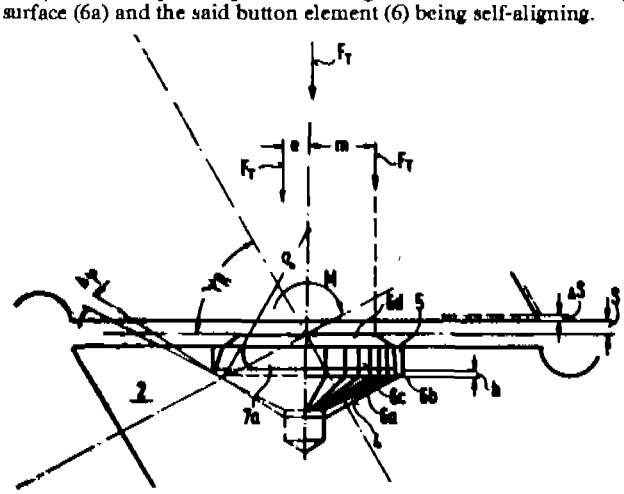
Inventor : HANS-JOACHIM HERMANN.

Application No. 524/Mas/86 filed July 8, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims

Device for tying the moving blades of a thermal turbo-machine by projections extending in the circumferential direction which are rigidly connected in pairs to their allied moving blade said device comprises one or both contact faces per adjacent pair of projections (2) formed by the plane end face of faces of one or two button elements (6), said button elements are formed with a conical bearing surface (6a) tiltably supported in a cavity in the projection having a conical seat (4) whose-angle is larger than the angle of the said conical bearing surface (6a) and the said button element (6) being self-aligning.



Compl. Specn. 15 Pages. Drgs. 2 Sheets.

Ind. Cl. : 32-$F_{3(6)}$—[GROUP-IX(1)] 167678
Int. Cl.[4] : C 07 C 27/22.

A PROCESS FOR PRODUCING ALCOHOLS.

Applicant : THE DOW CHEMICAL COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, OF 2030 DOW CENTRE, ABBOTT ROAD, MIDLAND, MICHIGAN 48640, UNITED STATES OF AMERICA.

Inventors : (1) GEORGE J. QUARDERER, (2) GENE A. COCHRAN.

Application No. 763/Mas/86 filed September 26, 1986.

Divisional to Patent No. 159601 (192/Mas/84); Ante-dated to March 23, 1984.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

10 Claims

A process for producing alcohols comprising contacting a mixture of hydrogen and carbon monoxide having an H_2 : CO molar ratio from 0.25 to 100, at a pressure from 500 psig (3, 55 MPa) to 10,000 psig (68.9 MPa) at a temperature of 200°C to 400°C and at hourly space velocity of 100 to 20,000 per hour with a catalyst optionally on a support, the said catalyst consists of (i) as a first component, at least one element selected from the group consisting of molybdenum and tungsten in free or combined form (ii) as a second component, at least one element selected from the group consisting of cobalt, and nickel in free or combined form; and (iii) as a third component, a promoter comprising an alkali or alkaline earth element in free or combined form; to form an alcohol fraction boiling in the range of motor gasoline in at least 20 percent CO_2 free carbon selectivity.

Compl. Specn. 34 Pages. No Drawing.

Ind. Cl. : 5 D [GROUP I (I)] 167679
Int. Cl.[4] : A 63 B 27/02.

AN ATTACHMENT DEVICE PARTICULARLY SUITED FOR CLIMBING SUBSTANTIALLY VERTICAL MEMBERS SUCH AS A POLE OR STEM.

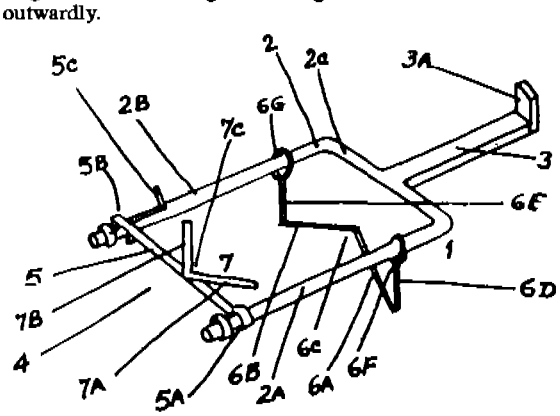
Applicant & Inventor : UPPINANGADY VARADARAYA NAYAK, 15-48, HAPPY VALLEY, KULSHEKAR, MANGALORE-575005, KARNATAKA, INDIA, AN INDIAN CITIZEN.

Application No. 900/Mas/86 filed November 24, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

17 Claims

An attachment device for climbing vertical members such as a pole or stem comprising a U-shaped or channel shaped frame, a supporting arm or bar secured to the frame and extending outwardly, a closure member provided at the ends of the sides of the said frame, a fixed grip member secured to the closure member and opposite to the base of said frame, a slidable grip member provided on and is slidably secured to the two sides of said frame, said grip members adapted to engage on opposite sides of a vertical member and on application of the weight of climber sitting or standing on the said arm or bar extending outwardly.



Compl. Specn. 14 Pages. Drgs. 2 Sheets.

Ind. Cl. : 32 F 2 (b) [GROUP IX (1)] 167680
Int. Cl.[4] : C 07 H 19/00.

A METHOD OF PREPARING AN ACYL DERIVATIVE OF URIDINE.

Applicant : PRO-NEURON, INC. OF 1530 EAST JEFFERSON STREET, ROCKVILLE, MARYLAND 20852, U.S.A., A COMPANY EXISTING UNDER THE LAWS OF U.S.A.

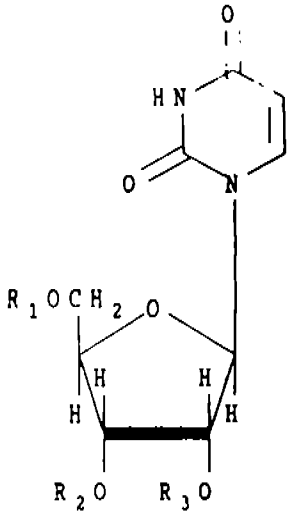
Inventors : (1) REID VON BORSTEL, (2) MICHAEL KEVIN BAMAT.

Application No. 755/Mas/88 filed October 28, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Madras Branch.

2 Claims

A method of preparing an acyl derivative of uridine having the formula II of the accompanying drawings or a pharmaceutically acceptable salt thereof, wherein R_1, R_2, and R_3 are the same or different and each is hydrogen or an acyl radical of carboxylic acid with 3 to 22 carbon atoms with or without substitution by amino groups or another carboxylic acid group provided that at least one of said substituents R_1, R_2 and R_3 is not hydrogen, and if any of said substituents R_1, R_2, and R_3 is hydrogen and if said remaining substituents are acyl radicals of a straight chain carboxylic acid, then said straight chain carboxylic acid has 8 to 22 carbon atoms, the said method comprises, blocking substituents which interfere with the acylation reaction, then reacting the acid anhydride or acid chloride of the desired acyl compound with uridine in pyridine, dimethylformamide or a mixture of the two and isolating the desired acyl compound.



Formula II

The compounds prepared according to this invention are useful in the treatment of liver disease, cerebrovasular disorders, respiratory distress syndromes, cardiac damage etc.

Compl. Specn. 48 Pages. Drgs. 12 Sheets.

Ind. Cl. : 32 F 2 (b) 167681
Int. Cl.[4] : C07D 209/82.

A PROCESS FOR THE SYNTHESIS OF NOVEL CIS—1—METHYL—1, 2, 3, 4, 4a, 5, 11, 11a-OCT A HYDRO-6H-PYRIDO (3, 2-b) CARBAZOLE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

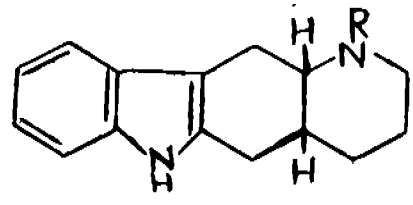
Inventors : ANIL KUMAR SAXENA, HEMANT KUMAR SINGH, BHOLA NATH DHAWAN NITYA ANAND.

Application for Patent No. 1055/Del/86 filed on 3rd December, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

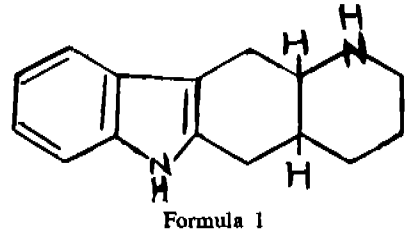
8 Claims

A process for the preparation of cis-1-methyl-1, 2, 3, 4, 4a, 5, 11, 11a-octahydro-6H-Pyrido (3, 2-b) carbazole of the formula 2



Formula 2

of the drawing accompanying the specification where R=CH_3 which comprises formylating by known methods cis—1, 2, 3, 4, 4a, 5, 11, 11a-octahydro-6H-pyrido (3, 2-b) carbazole of the Formula (1)



Formula 1

by heating it with ethyl formate to give Cis-1-formyl 1, 2, 3, 4, 4a, 5, 11, 11a-octahydro-6H-Pyrido (3, 2-b) carbazole of the formula 2 where R=CHO reducing the intermediate by known methods to give a compound of the formula 2 where R=methyl.

Compl. Specn.6 Pages. Drg. 1 Sheet.

Ind. Cl. : 129 G. 167682
Int. Cl.[4] : B22D 19/06 & B 21K 5/12.

AN IMPROVED PROCESS FOR THE MANUFACTURE OF A TOOL FOR ELECTROCHEMICAL MACHINING OF MATERIALS AND THE TOOL SO MANUFACTURED.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : KUPPAM JAYARAM SANTOSH KUMAR, ANNAMALAI POURASSAMY, ANANTHANARAYANAN KRISHNAN AND SUNDARAPANDIUM RAMA RAJAGOPALAN.

Application for Patent No. 67/Del/87 filed on 29th January, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

3 Claims

An improved process for the manufacture of a tool which is used as a cathode in electrochemical machining of materials which comprises machining a metal piece having adequate electrical conductivity, to provide a hollow tube with a cross section similar to that of the profile of the material to be electrochemically machined, characterised in that drilling a hole near the edge of the hollow tube such that the hole extends to the entire length of the tube for uniform supply of electrolyte throughout the electrochemical machining, milling the outside surface of the tube to the desired shape and size, slotting the surface of the said milled tube, insulating the inner surface of the said tube with an insulator pressure tube having a cross section similar to the inner profile of the tube, moulding the outside surface of the tube, with an insulator which may be same or different than that used for insulating the inner surface of the tube to get the tool.

Compl. Specn. 9 Pages. Drgs. 7 Sheets.

Ind. Cl. : 87 E. 167683
Int. Cl.[4] : A63H 18/00.

TOY TRACK FOR TOY VEHICLES.

Applicant : INTERLEGO AG., A SWISS JOINT STOCK COMPANY, OF NEUHOFSTRASEE 21, CH-6340 BAAR, SWITZERLAND.

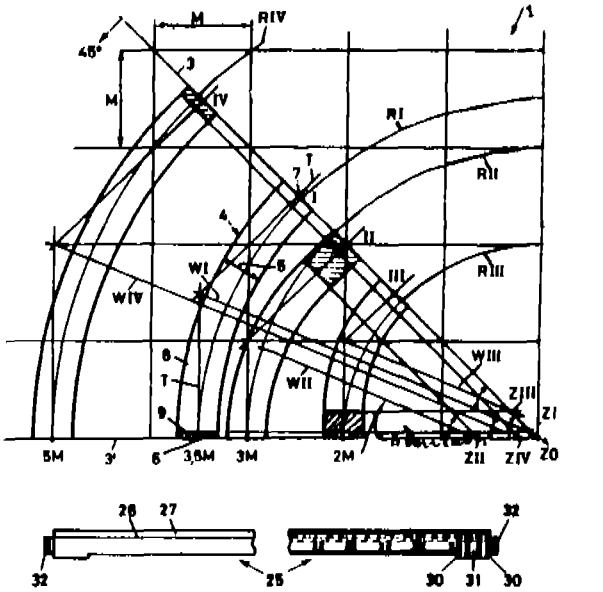
Inventors : PETER BOLLI, HEINZ LOOSER, WERNER TANNER.

Application for Patent No. 116/Del/87 filed on 12th February, 1987

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

13 Claims

A toy track for toy vehicles, comprising straight and curved elongated track pieces, wherein each curved track piece has an upper side (1) an under side and a centre line (6) the end points (6, 7) of which define a first reference point and a second reference point the first and second reference point being located at a first end and a second end respectively of said curved track piece, wherein a first tangent (7) to the centre line through the first reference point intersects a second tangent to the centre line through the second reference point under an angle smaller than 90°, wherein said track comprises at least two groups of curved track pieces, in which, starting from the first reference point, the track pieces of the first group of said two groups are curved to the right and the track pieces of the second group of said two groups are curved to the left, and wherein in both of said two groups the distance of said second reference point from said first reference point measured in the direction of said first tangent is a first integer multiple of half of a track module of a square track grid, and the distance of said second reference point from said first reference point measured in a direction perpendicular to said first tangent is a second integer multiple of half of said track module.



Compl. Specn.37 Pages. Drgs. 7 Sheets.

Ind. Cl. : 32 $F_{3(a)}$. 167684
Int. Cl[4]. : C07C 47/00 & 47/02.

AN IMPROVED PROCESS FOR THE SELECTIVE HYDROFORMYLATION OF ALIPHATIC OLEFINS TO CORRESPONDING LINEAR ALDEHYDES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : MIRZA MOHAMMED TAQUI KHAN, SHIVAPPA B HALLIGUDI & SAYED HASAN RAZI ABDI.

Application for Patent No. 259/Del/87 filed on 24th March, 1987.

Complete Specification left on 19th April, 19, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

6 Claims

An improved process for the selective hydroformylation of aliphatic olefins to the corresponding linear aldehydes which comprises reacting a straight chain aliphatic compound having 3 to 8 carbon atoms in the chain with synthesis gas in the presence of a water soluble solvent and a rhuthenium complex catalyst which is soluble in water and insoluble in organic solvent.

Provisional Specification 3 Pages.
Compl. Specn.7 Pages.

Ind. Cl. : 63 I. 167685
Int. Cl.[4] : H02K 47/00.

FREQUENCY CONVERTER FOR THE POWER SUPPLY OF ASYNCHRONOUS MOTORS.

Applicant : LA TELEMECANIQUE ELECTRIQUE, A FRENCH COMPANY, OF 33 BIS, AVENUE DU MARECHAL OFFRE, 92000 NANTERRE, FRANCE.

Application for Patent No. 470/Del/87 filed on 2nd June, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

9 Claims

A frequency converter for the AC power supply of an asynchronous motor comprising :

— a rectifier bridge (11) having input AC terminals for connection to a multiphase network and two DC output terminals connected to two respective conductors of a DC intermediate circuit (12);

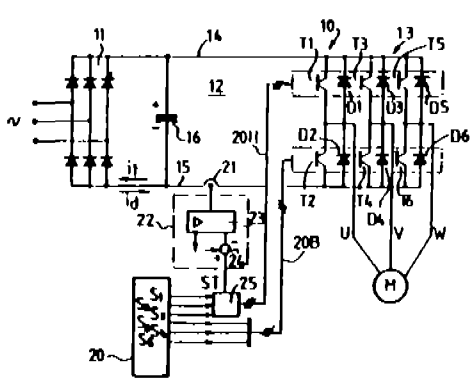
— an inverter (13) having two DC input terminals respectively connected to the said conductors (14, 15) of the DC intermediate circuit (12) so as to receive a DC current provided by said rectifier bridge (11) and flowing in the conductors (14, 15), said inverter (13) comprising three pairs of static switches (T1—T6), each said pair of static switches being connected to the two DC input terminals and comprising two series connected switches, one of which is a high channel switch, and the other, a low channel switch, and which are each provided with a recovery diode (D1—D6) in parallel, each of said pairs (T_1, T_2), (T_3, T_4), (T_5, T_6) having a middle point which constitutes an AC output terminal for connection to a phase impedance of the motor, the said inverter having output voltages between the output terminals;

— a control device (20) connected to the switches for applying thereto modulated pulses for ensuring closing and opening thereof according to a modulation, and characterised by :

— a means (21) for reading the DC current in one of the said conductors and for delivering an image signal (I) of this DC current in the intermediate circuit (12);

— a processing means (22) connected to the reading means (21) for detecting instability of the image signal (I); and

— a means (25) for reducing the output voltages of the inverter, said reducing means (25) being connected to the processing means (22) so as to receive the stabilization control signal (ST) and for modifying the modulated pulses delivered by the control device (20) and being controlled by the processing means (22).



Compl. Specn.17 Pages. Drgs. 3 Sheets.

Ind. Cl. : 32 F 2. 167686
Int. Cl.[4] : C07C 103/10.

A METHOD OF PREPARING 5-AMINO SALICYLIC ACID.

Applicant : NOBEL KEMI AB, OF S—691 85 KARLSKOGA, SWEDEN, A SWEDISH COMPANY.

Inventor : ULF SJOSTRAND.

Application for Patent No. 536/Del/87 filed on 24th June, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

4 Claims

A method of producing 5-amino salicylic acid with sulphanilic acid as recyclable auxiliary substance, said process comprises reacting a double sodium salt of salicylic acid with a diazonium salt of sulphanilic acid to obtain 5-(p-sulphophenylazo) salicylic acid, characterised in that said 5-(p-sulphophenylazo) salicylic acid is split by hydrogenation with hydrogen gas and a catalyst such as herein described at a preasure of 1—10 atm and a temperature of 20—150°C preferably in excess of 50°C, thereafter the thus obtained 5-amino salicylic acid is precipitated from the mother liquer by acidification in a manner as herein described.

Compl. Specn. 9 Pages Drg. 1 Sheet.

Int. Cl. : 35 B. 167687
Int. Cl.[4] : C04B 12/00.

A PROCESS FOR THE PREPARATION OF CEMENT SLURRY RETARDER FOR USE IN OIL WELL CEMENTS.

Applicant : OIL & NATURAL GAS COMMISION, KAULAGAR ROAD DEHRA DUN, UTTAR PRADESH, INDIA, A GOVT. OF INDIA UNDERTAKING.

Inventors : KRISHAN KUMAR ARORA, DHANI RAM NAINWAL, SUBHASH CHANDER GULATI & NEERA AGGARWAL.

Application for Patent No. 744/Del/87 filed on 25th August, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

7 Claims

A process for the preparation of cement slurry retarder for use in oil well cements which comprises in preparing lignite slurry in caustic solution, subjecting said lignite slurry to sulphoalkylation by reacting it with alkylating agent of the kind as herein described in presence of sulphonating agent of the kind as herein described in a reaction vessel at a temperature from 70 to 100°C for a period of 1 to 2 hours, subjecting the product to the step of purification and drying as herein described to obtain the final product.

Compl. Specn. 9 Pages. Drg. 1 Sheet.

Ind. Cl. : 32 F. 3. C. 167688
Int. Cl.[4] : C07C 69/773.

A PROCESS FOR THE PREPARATION OF ETHYL SALICYLATE.

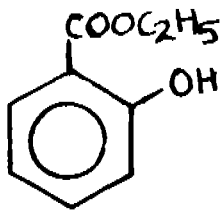
Applicant & Inventors : DR. SATISH CHANDRA BISARYA & DR. (MS) RAMA RAO.

Application for Patent No. 410/Del/88 filed on 9th May, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

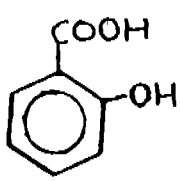
3 Claims

A process for the preparation of ethyl salicylate of formula III of the accompanying drawing, in high yields which comprises of :



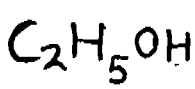
Formula III

(A) reacting salicylic acid of formula I



Formula I

Of the accompanying drawing with ethanol of formula II



Formula II

of the accompanying drawing in the presence of acid catalyst and in the presence or absence of suitable solvent at a temperature at which reflux starts, passing the vapours generated during reflux before or after condenstion through a column packed with dehydrant and returning back the resulting, relatively dried vapours or liquid to the reacting mass, in a continuous or semi-continuous manner,

(B) continuing the process till the practical completion of conversion of salicylic acid into ethyl salicylate, washing the layer containing ethyl salicylate with 1—10% acqueous solution of sodium bi-carbonate/sodium carbonate to rrah a pH of 7 and water, and drying the product azeotropically by codistilling water with solvent or by using drying agents like anhydrous sodium or magnesium sulfate or anhydrous calcium chloride and

(C) fractionating the dried product to produce ethyl salicylate in 92% yield.

Compl. Specn.12 Pages. Drg. 1 Sheet.

Ind. Cl 32 F & 3 C 167689
Int Cl.[4] C 07 C 69/773.

A PROCESS FOR THE PREPARATION OF METHYL SALICYLATE.

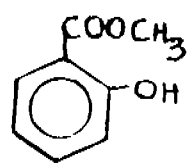
Applicants & Inventors : DR. SATISH CHANDRA BISARYA, MOHALLA KHURJA GATE, CHANDAUSI, DIST. MORADABAD (UTTAR PRADESH), INDIA, DR. (Ms.) RAMA RAO, 369, 10TH MAIN 'B', ROAD, III BLOCK, JAYANAGAR, BANGALORE-560 011 (KARNATAKA), INDIA (ALL INDIAN CITIZENS).

Application for the Patent No. 411/Del/88, filed on 9th May 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

5 Claims

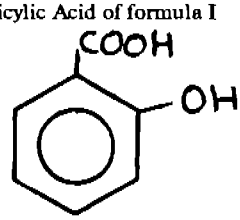
A process for the preparation of methyl salicylate of formula III



Formula III

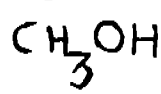
of the accompanying drawing which comprises of;

(a) reacting Salicylic Acid of formula I



Formula I

of the accompanying drawing with Methanol of Formula II



Formula II

of the accompanying drawing in the presence of acid catalyst and in the presence or absence of suitable solvent at a temperature at which reaction mass refluxes wherein vapours generated at reflux, before or after condensation are passed through a column packed with polymeric dehydrant and relatively dry resultant is returned back to the reacting mass in continuous or semi continuous manner, (b) continuning reaction till desired conversion of salicylic acid into methyl salicylate is achieved in 6-20 hrs whereby a first layer containing crude methyl salicylate and a second layer cotaining mostly water and the catalyst are formed, separating the first layer from the second layer and washing the first layer with water or 1—10% of aqueous sodium carbonate or bi-carbonate solution followed by drying either azeotropically or using drying agents and fractionally destilling the product to give Methyl Salicylate.

Compl. Specn. 9 Pages. Drg. 1 Sheet.

Ind. Cl. : 32 E. 167690
Int. Cl.[4] : C 10 M 129/78.

A FUNCTIONAL FLUID COMPOSITION SUCH AS TRANSMISSION FLUIDS AND HYDRAULIC FLUIDS.

Applicant : THE LUBRIZOL CORPORATION, A CORPORATION OF THE STATE OF OHIO, U.S.A., OF 29400 LAKELAND BOULEVARD WICKLIFFE, OHIO, 44092, U.S.A.

Inventors : CRAIG DANIEL TIPTON AND KENT BOYCE GROVER.

Application for Patent No. 544/Del/88 filed on 24th June, 1988.

Divisional to Application No. 949/Del/85 filed on 14th Nov., 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

27 Claims

A functional fluid composition such as transmission fluid or hydraulic fluid having improved shear stability comprising (A) from 0.1% to 20% by weight of at least one oil-soluble homopolymer (1) of a non-aromatic mono-olefin having at least three carbon atoms, said homopolymer having a number average molecular weight of from 750 to 10,000 (B) from 0.1% to 10% by weight of at least one nitrogen (2)-containing ester of a carboxy-containing interpolymer, said interpolymer having a reduced specific viscosity of from 0.05 to 2, said nitrogen-containing ester being characterized by the presence within its polymer structure of the following polar groups which are derived from the carboxy groups of said interpolymer :

(a) at least one carboxylic ester group having at least 8 aliphatic carbon atoms in the ester group,

(b) at least one carbonyl-polyamino group derived from a polyamino compound having one primary or secondary amino group and

(c) at least one carboxylic ester group having no more than 7 aliphatic carbon atoms in the ester group, and

(d) from 1% to 90% by weight of at least one low temperature viscosity reducing organic diluent such as herein described.

Compl. Specn. 63 Pages. Drg. 1 Sheet.

CLASS : 167691
Int. Cl. : H 01 r 31/06.

POWER LINE ADAPTER, FOR EXAMPLE FLUORESCENT LIGHT BALLAST, TRANSFORMER, OR THE LIKE.

Applicant : SCHWABE GMBH, OF 7068 URBACH, WEST GERMANY.

Inventors : 1. BERNHARD ALBECK, (2) SIEGFRIED GOEDICKE.

Application No. 246/Cal/1987, filed March 27, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

30 Claims

Power line adapter having a core structure (26, 27) and a winding wound on the core structure, forming a static electromagnetic component, characterized in that it comprises :

a primary connection unit (3) having means (9) for connection to a source of electrical power;

a secondary connection unit (4) having means (11) for connection to a load (10);

an electromagnetic unit (1) retaining said electromagnetic component and adapted to be assembled with both said primary and said secondary connection units, said electromagnetic unit having connection pair elements (13) thereon,

said primary and secondary units having contact pair elements (15) thereon, positioned for engagement with said connection pair elements (13) of the primary unit, said contact pair elements being electrically connected to the respective connection means (9, 11);

electrical insulating means defining an external convering for the connection pair elements (13) on said electromagnetic unit (1) when the latter is assembled with said primary and said secondary connection units (3, 4); and electrical insulating means defining an external covering for the contact pair elements (15) on the respective primary and secondary connection units, when the latter are assembled with said electromagnetic unit (1).

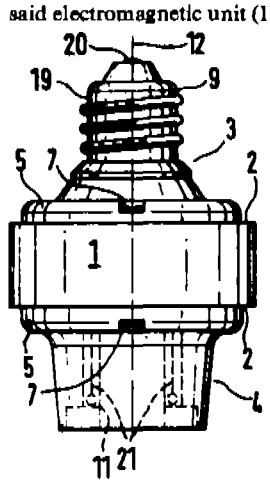


Fig. 1

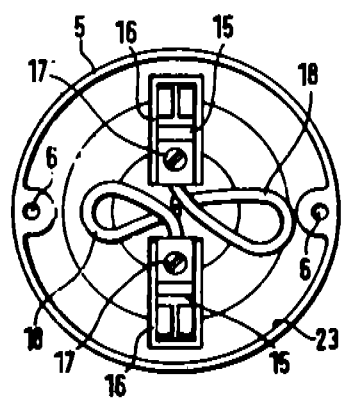


Fig. 2

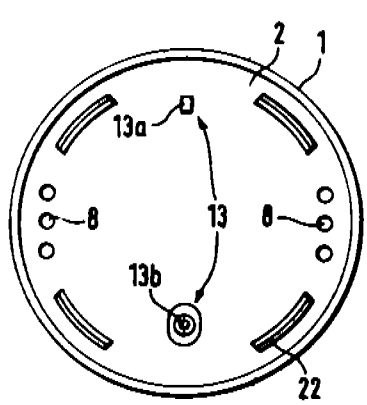


Fig. 3

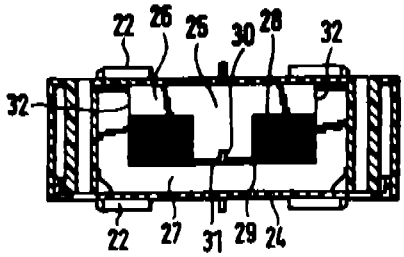


Fig. 4

Compl. Specn. 26 Pages. Drgs. 5 Sheets.

CLASS : 123 167692
Int. Cl. : C 05 c 5/04, 9/00, 13/00.

A PROCESS FOR THE MANUFACTURE OF UREA-CALCIUM NITRATE FERTILIZER.

Applicant : PROJECTS & DEVELOPMENT INDIA LIMITED OF P.O. SINDRI, PIN-828122, DHANBAD, BIHAR, INDIA.

Inventors : (1) DR. ALAKH DHARI PANDEY; (2) DR. LALLU SINGH, (3) DR. RAM CHANDRA YADAV, (4) DR. KRISHNA MOHAN VERMA.

Application No. 343/Cal/1987, filed April 29, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

3 Claims

An improved process for the manufacture of adduct of urea-calcium nitrate which comprises mixing urea melt and calcium nitrate in the weight ratio of 50 to 65 parts by weight of urea to 35-50 parts by weight calcium nitrate at temperatures around 100°C maintaining the temperature of the melt followed by dehydration of the melt without substantial drop in temperature preferably sparking the melt using hot air at substantially the same temperature as the melt temperature and thereafter, subjecting the dehydrated melt to a step of granulation, additive such as gypsum or potassium sulphate being added to the mixed melt before or after dehydration.

Compl. Specn. 6 Pages. Drg. Nil.

CLASS : 160-A; C. 167693
Int. Cl. : B 60 b 11/00.

IMPROVEMENTS IN OR RELATING TO INCLINABLE MULTI-WHEEL VEHICLES

Applicant & Inventor : PIERRE PATIN, OF 15, RUE BUFFON, 75005, PARIS, FRANCE.

Application No. 500/Cal/1987, filed June 26, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

13 Claims

An multi-wheel vehicle, which is inclinable with reference to the ground comprising a primary part, a secondary part borne rotatably by said primary part, said primary part including at least first and secod wheels and a deformable structure said as herein described connecting said first and second wheels and enabling lateral inclination of the structure and the wheels on inclination of the vehicle, and connection means connecting said secondary part with said structure for movement relative to said structure in response to inclination of the structure with a predetermined drive ratio such that in the event of inclination of the vehicle away from the apparent vertical the centre of gravity of said secondary part is caused to be raised, and consequently the centre of gravity of the vehicle is caused to be raised, whereby stationary stability on the vehicles is caused to be conferred.

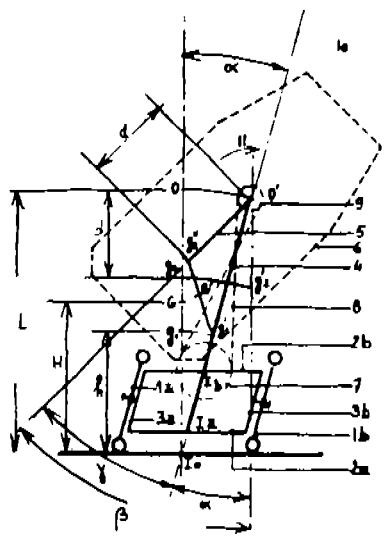


Fig. 1

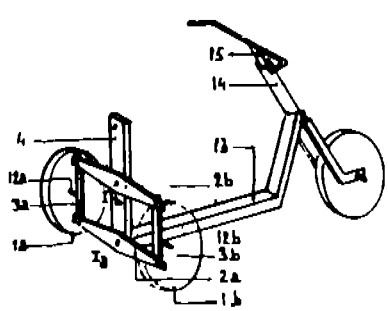


Fig. 2

Compl. Specn. 22 Pages. Drgs. 7 Sheets.

CLASS : 61-H 167694
Int. Cl. : F 26 b 21/00.

SUPERVISORY CONTROL OF CONTINUOUS DRYING.

Applicant : THE BABCOCK & WILCOX COMPANY, OF 1010 COMMON STREET, P.O. BOX 60035, NEW ORLEANS, LOUISIANA-70160, U.S.A.

Inventors : (1) AZMI KAYA, (2) LARRY RICE.

Application No. 588/Cal/1987 filed July 29, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

9 Claims

Supervisory control arrangement system for controlling the operation of a dryer for the continuous drying of a moist solid product with a gaseous drying medium such as air for close control of the dried product moisture, which comprises :

temperature determining means for determining the wet bulb temperature of the medium in the dryer from the measurements of the prevailing outlet dry bulb temperature and outlet relative humidity of the medium in the dryer,

supervisory adjustment means for determining from the measurements of the prevailing inlet dry bulb temperature and outlet dry bulb temperature of the medium in the dryer and from the determined wet bulb temperature a supervisory value corresponding to the energy supply rate of the heating energy supply needed for heating the medium to an optimum inlet dry bulb temperature operating value for drying the product to a predetermined moisture content at a predetermined medium flow rate and a predetermined product feed rate to the dryer, and for producing from the supervisory value in relation to the measurement of the prevailing outlet dry bulb temperature a corresponding supervisory signal, and;

supervisory control means including energy supply control means for limiting the supervisory signal to a set point value which does not exceed a predetermined maxium supervisory value corresponding to a predetermined maximum energy supply rate for heating the medium to a predetermined maximum inlet dry bulb temperature operating value, and for producing from the set point value limited signal in relation to the measurement of the prevailing inlet dry bulb temperature corresponding energy control signal for controlling the energy supply for heating the medium to an optimum inlet dry bulb temperature operating value which does not exceed said predetermined maximum operating value, whereby to prevent product scorching.

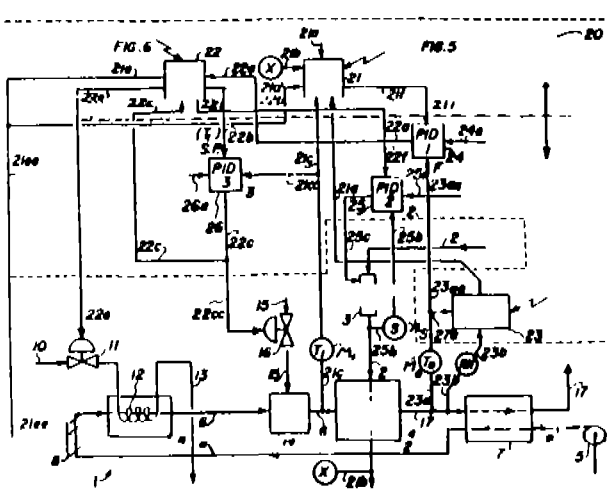


Fig. 4

Compl. Specn. 52 Pages. Drgs. 2 Sheets.

CLASS : 39-M. 167695
Int. Cl. : C 01 b 25/30.

PROCESS FOR THE MANUFACTURE OF PURE POTASSIUM DIHYDROGEN PHOSPHATE FROM WHITE MICA.

Applicant & Inventor : KUNAL GHOSH, 'PRANTIK', 40 KUMUD GHOSAL ROAD, CALCUTTA-700 057, INDIA AND CHANDRIKA VARADACHARI, 4A RATNABALI, 7A JUDGES COURT ROAD, CALCUTTA-700027, INDIA.

Application No. 635/Cal/1987 filed August 14, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

16 Claims

A process for the manufacture of pure potassium dihydrogen phosphate comprising :

(a) heating at 275°C—350°C, finely shredded/ground white mica, containing about 10% K_2O and ground to size 80-150 mesh B. S. sieve, with a mixture of phosphoric and sulphuric acids such that the ratio of mica : P_2O_5 : SO_4 in the mixture ranges from 1 : 3.5 : 0.35 to 1 : 4 : 0.35 by weight,

(b) boiling the resulting mass with water, sufficient to cover the mass,

(c) adding a water-soluble organic solvent(s) such as methanol-ethanol mixture (1 : 1, v : v) and stirring to precipitate a mixture of metal phosphates which is collected by filtration and washing with the same organic solvent(s) to remove the free phosphoric acid,

(d) washing the phosphatic mixture so obtained with water at ambient temperature to extract the water-soluble part thereof and to obtain a silica-aluminium poly-phosphate mixture as the residue, convertible into amorphous silica and ammonium alum,

(e) evaporating to dryness, the aqueous extract from stage (d) to produce a product chiefly comprising $KH_2PO_4.H_3PO_4$ and free phosphoric acid,

(f) washing the product obtained in stage (e) with the organic solvent mixture described in stage (c) to remove all free phosphoric acid and then finally washing the residue so obtained, with a saturated aqueous solution of KH_2PO_4 to remove the bound H_3PO_4 of the salt $KH_2PO_4.H_3PO_4$ and thus obtain the product KH_2PO_4.

Compl. Specn. 14 Pages. Drg. Nil.

CLASS : 40-H; 88-F. 167696
Int. Cl. : B 01 d 47/00, 53/00.

PROCESS OF DESULFURISING A FIRST AND A SECOND GAS EACH GAS CONTAINING CO_2 AND SULFUR COMPOUNDS.

Applicant : METALLGESELLSCHAFT AKTIENGESELLSCHAFT, OF REUTERWEG 14, D-6000, FRANKFURT AM MAIN, W. GERMANY.

Inventors : (1) GERHARD GRUNEWALD, (2) EMIL ALUNIC.

Application No. 638/Cal/1987 filed on 14th August, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

6 Claims

A process for desulfurizing a first and a second gas, each gas containing CO_2 and sulfur compounds, particularly H_2S and COS, the first gas having a higher CO_2 content than the second gas, the two gases are scrubbed with a physically acting solvent and the solvent which is laden with the sulfur compounds is subsequently regenerated, characterized in that the first gas is treated in a first scrubbing zone with a known solvent which substantially completely dissolves the sulfur compounds and partly dissolves the CO_2 that is contained in the gas, at least part of the laden solvent which leaves the first scrubbing zone is fed to a second scrubbing zone, which is supplied with the second gas, which has a lower CO_2 content than the first gas and the partly desulfurized gas leaving the second scrubbing zone is treated in a third scrubbing zone with a known solvent which is virtually free of sulfur compounds.

Compl. Specn. 13 Pages. Drg. 1 Sheet.

CLASS : 64-B2. 167697
Int. Cl. : H 02 g 15/00.

SEALED ELECTRIC LEAD-IN FOR ELECTRICAL EQUIPMENTS.

Applicant : NAUCHNO-PROIZVDSTVENNOE OBIEDINENIE "ELEKTROFARFOR", OF SHOSSE ENTUZIASTOV, 17, MOSCOW, U.S.S.R.

Inventors : (1) NIKOLAI VASILIEVICH MINAKOV, (2) ALEXANDR PAVLOVICH DUNASHEV, (3) VLADIMIR ANDREEVICH MAKAROV, (4) PETR YAKOVLEVICH KARMANSKY, (5) VLADIMIR ALEXANDROVICH KNYAZEV.

Application No. 677/Cal/1987 filed August 28, 1987.

Appopriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

1 Claim

A sealed electric lead-in for electrical equipments comprising a metal casing rigidly secured in a wall of sealed premises and accommodating a biological protection means in the form of at least two plates rigidly secured in the metal casing in parallel with each other; insulating tubes disposed in holes of the plates, each tube being provided with an individual metal casing having flanges disposed at the ends thereof and having a rectangular projection in the central part; electric conductors placed in a biological protection insulating member provided in the middle part of the insulating tube, electric conductors placed in said insulating member and extending in the insulating tubes; each said insulating tube having at its ends an insulator having a passing extending through the length thereof, a cap sealingly connected to the electric conductor being secured at through insulators ends facing outwards; a case sealingly connected to the rectangular projection of the flange of the individual casing secured in the middle part of the through insulators; an annular projection whose diameter is smaller than the inside diameter of the insulating tube provided at through insulators ends facing toward the casing interior so as to define an annular space

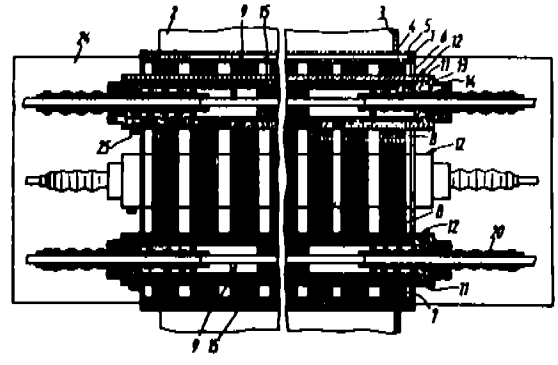


Fig. 1

Compl. Specn. 10 Pages. Drgs. 2 Sheets.

CLASS : 64-B1. 167698
Int. Cl. : H 01 r 9/00.

TERMINAL BASE ASSEMBLY FOR ELECTRIC METER SOCKETS.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventor : GEORGE MARTIN CARRIS.

Application No. 681/Cal/1987 filed on the 28th August, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

9 Claim

A terminal base assembly for an electric meter socket, comprising an insulating base including top and bottom sides and including a hole extending between the sides and the hole having facing side walls, a jaw terminal adapted from receiving a matting blade terminal of an electric meter, an electric conductor for conducting current to the jaw terminal, a mounting clip for releasably and frictionally mounting the jaw terminal in the hole and including a flat base with an offset perpendicular side wall along each opposite edge thereof and with a lateral flange extending from each side wall parallel to said flat base, said side walls being in surface-to-surface contact with the jaw terminal and the side walls of the holes and which flanges are in surface-to-surface contact with top surface portions of said base adjacent to the hole, and fastening means securing the jaw terminal, the electric conductor, and the mounting clip in position in good electrical engagement.

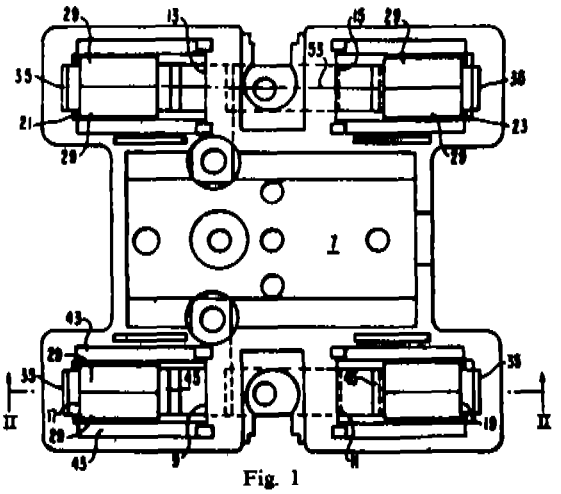


Fig. 1

Compl. Specn. 10 Pages. Drgs. 2 Sheets.

CLASS : 172-C1, 9. 167699
Int. Cl. : D 01 g 9/00; 15/00.

A CARDING MACHINE.

Applicant : TRUTZSCHLER GMBH & CO. KG., OF DUVENSTR. 82-92, D-4050, MONCHENGLADBACH 3, WEST GERMANY.

Inventor : FERDINAND LEIFELD.

Application No. 953/Cal/87 filed on 4th December, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

5 Claims

A carding machine comprising in combination :

(a) a main cylinder having a direction or rotation;

(b) a licker-in cooperating with the main cylinder;

(c) travelling flats cooperating with the main cylinder;

(d) a frontal end roller supporting said travelling flats; said end roller being situated above said licker-in at a distance therefrom as viewed circumferentially along said main cylinder; said distance having a mid-zone and two off-center zones flanking the mid-zone and adjoining the licker-in and the end roller, respectively;

(e) stationary flats supported in said mid-zone and being at a small radial distance from the main cylinder; and characterised by

(f) a device for separating impurities from fiber material undergoing treatment by said main cylinder; said device being situated in one of said off-center zones, between said frontal end roller and said stationary flats; said device having

(1) a knife blade supported at a small radial distance from the main cylinder and including a knife edge oriented opposite to said direction of rotation;

(2) a plate supported at a small radial distance from the main cylinder and defining a gap with said knife edge; and

(3) means defining a suction chamber covering said gap.

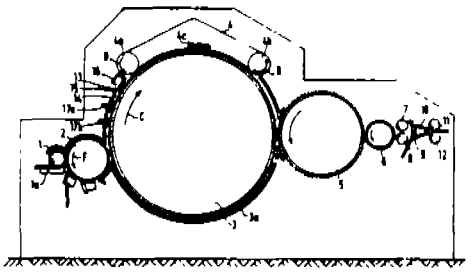


Fig. 1

Compl. Specn. 10 Pages. Drgs. 5 Sheets.

CLASS : 157-D6; C. 167700
Int. Cl. : E 01 b 9/00.

DEVICE FOR FASTENING RAILS TO SLEEPERS.

Applicant : VOSSLOH-WERKE GMBH, POSTFACH (P.O. BOX) 1860, 5980 WERDOHL 1, FEDERAL REPUBLIC OF GERMANY.

Inventors : (1) HELMUT EISENBERG, (2) DIRK VORDERBRUCK, (3) FRIEDHELM WEBER.

Application No. 91/Cal/1988 filed on 2nd February 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

43 Claims

A fastening device for fastening rails to sleepers, particularly to concrete sleepers, comprising a lateral guide plate arranged to be positioned adjacent to the rail and at least partially set into an unreinforced surface of the sleeper, said guide plate being pressed against the sleeper by means of a bolt anchored inflexibly in the sleeper and acting through a clamping member which presses against the guide plate, characterised in that the guide plate has an angled or partly angled profile in section perpendicular to the rail, said profile being open upwards and on the side remote from the rail being arranged to contact an inclined surface provided on the sleeper.

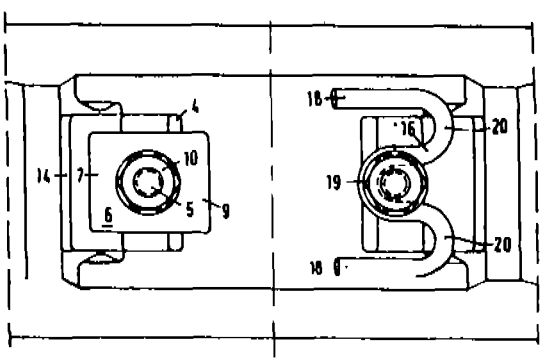


Fig. 2 Fig. 4

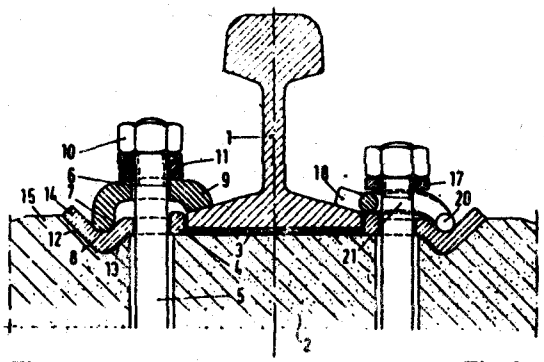


Fig. 1
Compl. Specn. 40 Pages.

Fig. 3
Drgs. 13 Sheets.

Ind. Cl. : 90 F & J [GROUP XXXVI]. 167701
Int. Cl.[4] : B 28 B-17/00.

A METHOD OF PRODUCING AN ELONGATE POROUS BODY.

Applicant : ALCATEL N V, A DUTCH COMPANY, OF DE LAIRESESSESTRAAT, 153, NL-1075, AMSTERDAM, HOLLAND.

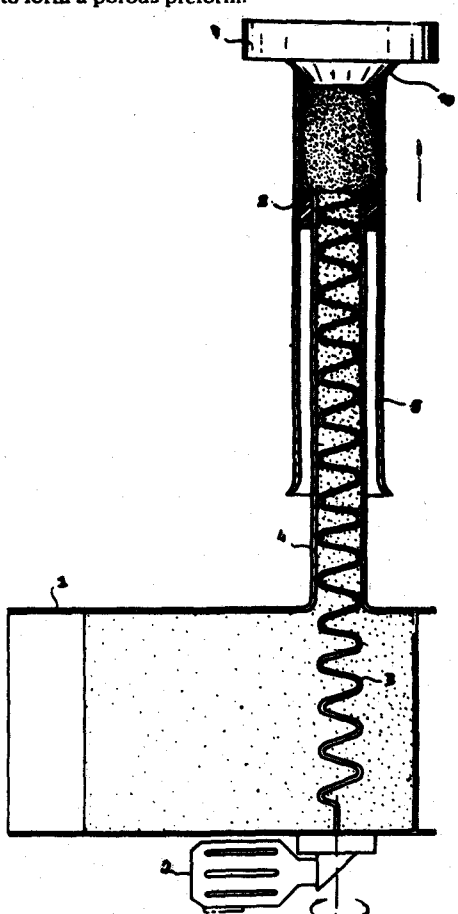
Inventor : REIMUND DORN.

Application for Patent No. 410/Mas/86 filed on 27th May 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

13 Claims

A method for producing a preform for making optical wave guides which comprises filling a mold (5) with a starting material having SiO_2 as the base material doped with one or more dopants selected from GeO_2, P_2O_5, $F\&B_2O_3$ to a compact state in one or more stages and thereafter subjecting the compact filling to a consolidating heat treatment to form a porous preform.



Compl. Specn. 23 Pages. Drgs. 2 Sheets.

Ind. Cl. : 164(c) [GROUP II(3)] 167702
Int. Cl.[4] : C 02 F, 1/02.

DEVICE FOR PURIFYING SEWAGE EFFLUENT.

Applicant : BURTON (NMI) AXELROD, A CITIZEN OF THE UNITED STATES OF AMERICA, RESIDING AT 808 SUNSET DRIVE, GIRARD, PENNSYLVANIA 16417, UNITED STATES OF AMERICA.

Inventor : BURTON (NMI) AXELROD.

Application for Patent No. 474/Mas/86 filed on 18th June 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

6 Claims

A device for purifying sewage effluent comprising,

a housing;

an inlet in the housing for introducing sewage effluent into the housing; filter means comprising regions of coarse, fused silica cullet and known absorband materials disposed in the said housing for trapping solid waste material component of the sewage effluent;

an outlet in the housing for releasing said aqueous component from the housing,

means for incinerating consisting a microwave generator and a thermal heating element for incinerating said waste material component trapped in the filter means into an ash particulate and means for removing the ash particulate from the housing.

Compl. Specn. 13 Pages. Drg. 1 Sheet.

Ind. Cl. : 116 C, G [GROUP XLIX] 167703
Int. Cl.[4] : B 66 C 23/61.

EQUIPMENT FOR THE LOADING OF BAGS AND BULK MATERIALS ONTO SHIPS.

Applicant : FIVES-CAIL BABCOCK, OF 7 RUE MONTALIVET, 75383 PARIS CEDEX 08, FRANCE, AND DENIS SERTAC S.A., OF 62, RUE DE CHAUNY, 60400 NOYON, FRANCE.

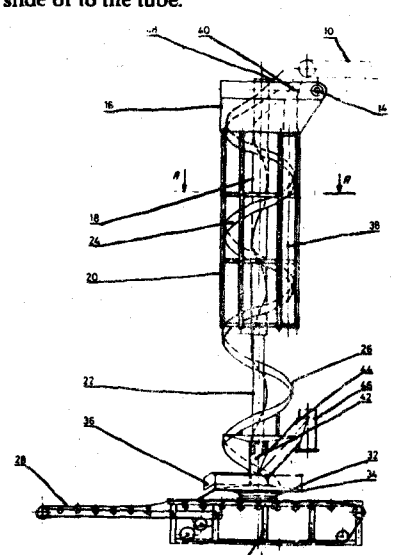
Inventors : (1) MICHEL OVERT, (2) PATRICK MOMEUX.

Application for Patent No. 504/Mas/86 filed on 1st July, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

6 Claims

Equipment for the loading of bags and bulk materials onto a ship, comprising a vertical frame, a two-section helical slide, the upper section of which is integral with the said frame and the lower section of which is supported by a structure hanging from the said frame which is movable vertically and rotatable around the slide axis to allow telescopic movements of both sections of the slide, a conveyor slewing supported by the said structure in a horizontal plane by rotation around the slide axis, a vertical tube fixed to the said frame, a chute supported by under the lower end of the said tube whenever the said structure is at a pre-determined position, the lower end of the said chute having an outlet above the said conveyor in the slide axis and means to selectively direct the load carried to the upper end of the unit, either to the slide or to the tube.



Compl. Specn. 9 Pages. Drgs. 3 Sheets.

Ind. Cl. : 136 B—[GROUP-XIII] 167704
Int. Cl.[4] : B 29 B 11/08.

A METHOD AND APPARATUS FOR MAKING A PIPE COUPLING AND ARTICLES MADE THEREOF.

Applicant : HEPWORTH BUILDING PRODUCTS LIMITED, OF HAZLEHEAD, STOCKSBRIDGE, SHEFFIELD S30 5HG, GREAT BRITAIN.

Inventors : (1) JOHN BENJAMIN GLOVER, (2) RONALD ARTHUR IRELAND, (3) COLIN ADIE.

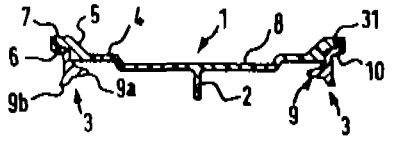
Application for Patent No. 520/Mas/86 filed on 4th July, 1986.

Convention date : July 5, 1985; (No. 8517073; Great Britain)

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

15 Claims

A method of making a pipe coupling comprising a first moulded-component in the form of a tubular plastics body with an annular cross-section, joined at each end to a respective second moulded component in the form of a sealing ring, which method comprises injection moulding the first component and the second components separately at substantially the same time in respective mould cavities defined by respective separable mould members, separating the mould members directly after moulding so that injection-moulded components remain in place on respective mould members with respective joint surfaces of the components exposed, and moving at least one of these mould members, carrying with it the corresponding injection moulded component or components, so as to bring the respective joint surfaces of the sealing rings into contact with the joint surfaces of the body directly after the injection moulding thereof while they are still in a hot as-moulded state, whereby a direct thermal bond is formed between the said joint surfaces of the sealing rings and the joint surfaces of the body so that the sealing rings are bonded to the body so as to form annular seals on the body end regions.



Compl. Specn. 34 Pages. Drgs. 3 Sheets.

Ind. Cl. : 65 A[4]—[GROUP LVII(2)]. 167705
Int. Cl.[4] : H 03 H 17/02

LOW FREQUENCY DIGITAL NOTCH FILTER.

Applicant : PLESSEY OVERSEAS LIMITED, A BRITISH COMPANY OF VICARAGE LANE, ILFORD, ESSEX IG1 4AQ, ENGLAND.

Inventor : NIGEL PAUL DYER.

Application for Patent No. 565/Mas/86 filed on 18th July, 1986.

Convention date : August 28, 1985; (No. 8521378; Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

9 Claims

A low frequency digital notch filter compirsing :—an input node, an all-pass network filter, and an output node, characterised in that the all-pass network filter comprises a first filter stage having an input and an output, said input being connected to said input node, the first filter stage having at least one first delay element and at least one first coefficient multiplier for multiplication by a coefficient K1, the first delay element and first coefficient multiplier being interconnected is such a way as to provide a transfer function A(z) for the first stage as follows :

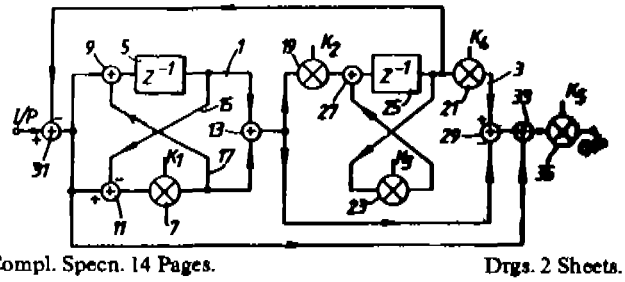
$$A(Z)=(z^{-n}+K_1)/(1+K_1 z^{-n}),\ \text{where } n>1;$$

a second filter stage having an input and an output, the input of the second filter stage being coupled to the output of the first filter stage, the second filter stage having a second delay element and three second coefficient multipliers for multiplication by coefficients K_2, K_3 and K_4 respectively, the second delay element and second multipliers being so interconnected that the transfer function B(z) for the second stage is as follows :

$$B(z)=[(K_3+K_2.K_4)z^{-n}-1]/(1-K_2z^{-n}),\ \text{where } n>1;$$

a filter output node coupled to the output of the second filter stage; and

a feedforward line coupled between said input node and said output node for summing the filter input with the output of the second stage, whereby to provide a notch characteristic at a desired frequency.



Compl. Specn. 14 Pages. Drgs. 2 Sheets.

Ind. Cl. : 128-G—[GROUP-XIX(2)]. 167706
Int. Cl.[4] : A 61 F 2/24.

AN IMPROVED HEART VALVE ASSEMBLY.

Applicant : SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES & TECHNOLOGY, TRIVANDRUM-695 011, KERALA STATE, INDIA, AN INDIAN ORGANISATION.

Inventor : GOPI-CHETTY-PALAYAM-SUBBARATNAM BHUVANESHWAR.

Application and Provisional Specification for Patent No. 671/Mas/86 filed August 21, 1986.

Complete Specification left September 30, 1987.

Additional to Patent No. 159244 (46/Mas/84)

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

An improved heart valve assembly comprising (A) sewing ring component, (B) valve housing component and (C) disc occluder, said disc occluder being held tiltably on supports within the enclosed space of the valve housing compcnent, said valve housing component having a grooved ring portion formed externally and having said sewing ring component accommodated on same wherein (i) said disc occluder is made of (a) agate or (b) polyacytal homopolymer, polyacecol copolymers, polyacetol—PTFE mixtures, ultra high molecular weight polyethylene synthetic sapphire, synthetic ruby, corundum or ceramics (alumina, tungsten carbide, titanium carbide or their mixtures) or materials having a coating of one or more of these said ceramic materials and wherein (ii) the said valve housing is made of (c) uncoated stainless steel or cobalt based alloys, (d) uncoated cobalt-chromium-tungsten alloy, titanium or alloys of titanium with aluminum, vanadium or palladium (e) (c) and (d) above having a coating of boron nitride or titanium nitride or diamond with the proviso that the disc occluder and the valve housing are not a combination of items (i) (b) and (ii) (d) above.

Prov. 4 Pages.
Compl. Specn. 8 Pages. No Drawing.

Ind. Cl. : 40-B—[GROUP-IV(1)] 167707
Int. Cl.[4] : B 01 J 21/06; 23/70.

A METHOD FOR THE PREPARATION OF A CATALYST SUITABLE FOR THE PREPARATION OF HYDROCARBONS.

Applicant : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., A NETHERLANDS COMPANY, OF CAREL VAN BYLANDTLANN 30, THE HAUGE, THE NETHERLANDS.

Inventors : (1) KRIJN PIETER DE JONG, (2) MARTIN FRANCISCUS MARIA POST, (3) JOHANNES EVERARDUS GLEZER.

Application for Patent No. 873/Mas/86 filed November 6, 1986.

Convention date : 8th November, 1985; (No. 8527549; United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 Claims

A method for the preparation of a catalyst suitable for the preparation of hydrocarbons from carbon monoxide and hydrogen containing a metal chosen from iron, nickel and cobalt in the range of 5—40 pbw per 100 pbw of carrier, zirconium in the range of 0.25—50 pbw per 100 pbw of carrier and a noble metal of Group VIII of the Periodic Table in the range of 0.0001-5 pbw per 100 pbw of carrier, comprising impregnating a carrier chosen from silica—, silica—alumina—and alumina-containing carrier with an iron, nickle or cobalt compound, a zirconium compound and a compound of a noble metal from Group VIII of the Periodic table, drying the resulting composition, calcining the dried composition at a temperature between 400 and 600°C and reduction in the presence of hydrogen at a temperature between 50 and 300°C.

Compl. Specn. 10 Pages. No Drawing.

Ind. Cl. : 71-B—[GROUP-XXVIII(1)]. 167708
Int. Cl.[4] : E 02 F 5/32.

A MOUNTING FRAME ADAPTED FOR SUPPORTING AN IMPACT RIPPER ON A VEHICLE.

Applicant : CATERPILLAR INC., OF PEORIA, ILLINOIS 61629-6490, UNITED STATES OF AMERICA, A CORPORATION DULY ORGANIZED AND INCORPORATED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA.

Inventors : (1) MICHAEL ANTHONY ROUSSIN, (2) FERRY DALE FIDLER.

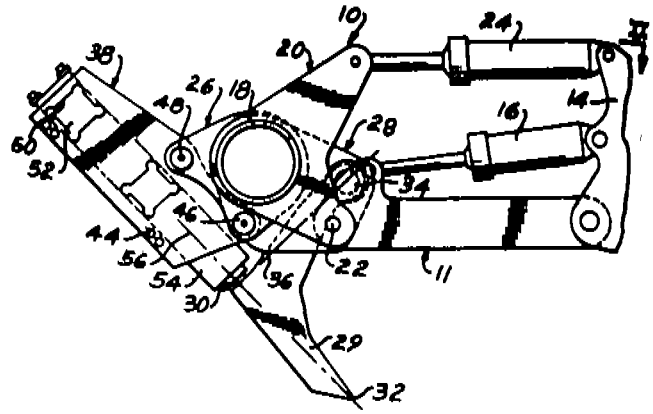
Application for Patent No. 945/Mas/86 filed December 4, 1986.

Convention date : July 18 1986; (No. 60320/86; Australia).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 Claims

A mounting frame adapted for supporting an impact ripper on a vehicle providing an elevationally adjustable support frame having a pair of rearwardly extending transversely spaced legs, said impact ripper includes a ripper shank for engaging the ground and an impactor, comprising : a main crossbeam having laterally spaced opposite ends; a pair of end plates mounted on each end of the crossbeam and forwardly extending therefrom for pivotal connection to said legs of the support frame; a pair of impact mounting plates mounted on said crossbeam in inwardly spaced relation from each of said pairs of end plates and rearwardly downwardly extended from the crossbeam in trailing relation thereto; a pair of ripper shank mounting plates mounted on said crossbeam between said pair of impactor mounting plates in forwardly extended relation from the crossbeam between said legs of the support frame; and a shank pivot mounting on said shank mounting plates and adapted for supporting the ripper shank in depending relation therefrom.



Compl. Specn. 9 Pages. Drags. 3 Sheets.

Ind. Cl. : 32-F_{2b}—[GROUP-IX(1)] 167709
Int. Cl.[4] : C 07 D 521/00.

PROCESS FOR PREPARING AN α-UNSATURATED AMINE.

Applicant : TAKEDA CHEMICAL INDUSTRIES LTD., OF 27, DOSHOMACHI 2-CHOME, HIGASHI-KU, OSAKA 541, JAPAN.

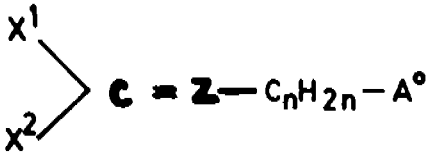
Inventors : (1) ISAO MINAMIDA, (2) KOICHI IWANAGA, (3) TETSUO OKAUCHI.

Application for Patent No. 493/Mas/88 filed July 12, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

A process for preparing an ∝—unsaturated amine of the formula I° of the accompanying drawings or a salt thereof, which comprises

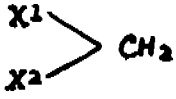


Formula (I°)

reacting a compound of the formula

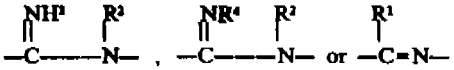
$R^3S—Z—C_nH_{2n}—A^\circ$

or a salt thereof with a compound of the formula III of the accompanying drawings,



Formula (III)

or a salt thereof at 30°C to 200°C for 0.1 to 48 hours, in which formula, Z is



R^3 is a C_{1-4} alkyl or aralkyl,

R^2 is a hydrogen atom, alkyl, aryl, aralkyl, heterocyclic, acyl, C_{6-10} arylcarbonyl, alkoxycarbonyl, aryloxy-carbonyl, heterocyclicoxycarbonyl, arylsulfonyl, alkylsulfonyl, dialkoxyphosphoryl, alkoxy, hydroxyl, amino, dialkylamino, acylamino, alkoxycarbonylamino, alkylsulfonylamino, di-alkoxy-phosphorylamino, aralkyloxy or alkoxycarbonylalkyl;

R^4 is a hydrogen atom, or alkyl, cycloalkyl, alkenyl, cycloalkenyl or alkynyl which groups may optionally be substituted, or pyridyl-or thiazolyl-C_{1-3} alkyl wherein pyridyl and thiazolyl moiety may optionally be substituted with a halogen atom;

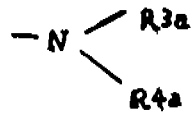
X^1 and X^2, are such that one is an electron-attracting group with the other being a hydrogen atom or an electron-attracting group;

R^1 is a group attached through a nitrogen atom;

R^2 is a hydrogen atom or a group attached through a carbon, nitrogen or oxygen atom;

n is an integer equal to 0, 1 or 2;

A° is a heterocyclic group, with the proviso that when R^2 is a hydrogen atom, R^1 is a group of the formula X of the accompanying drawings,



Formula (X)

wherein

R^{3a} is a hydrogen atom, C_{1-4} alkyl, C_{7-9} aralkyl or C_{1-4} acyl and

R^{4a} is a hydrogen atom, C_{1-4} alkyl, C_{1-4} alkoxy-C_{1-4} alkyl, (di-C_{1-4} alkylamino)—C_{1-4} alkyl, tri C_{1-4} alkylsilyl—C_{1-4} alkyl, C_{2-4} alkenyl, or pyridyl-or thiazolyl—C_{1-3} alkyl wherein pyridyl or thiazolyl moiety may optionally be substituted with a halogen atom, or R^{3a} and R^{4a} taken together with the adjacent nitrogen atom constitute pyrrolidino and A° is pyridyl, pyrazinyl or thiazolyl which may optionally be substituted with a halogen, C_{1-4} alkyl, C_{1-4} alkylthio or C_{1-4} alkoxy, or a salt thereof and recovering the product in a known manner.

The compounds prepared according to this invention are useful insecticide agents.

Compl. Specn. 226 Pages. Drgs. 14 Sheets.

Ind. Cl. : 39-N-[GROUP-III] 167710
Int. Cl.[4] : C 01 G 13/00.

THE PROCESS OF MAKING A COMPOSITION FOR TREATMENT OF CANCER.

Applicant & Inventor : DR. TADEPALLI SRIKRISHNA KUMAR, 2-2-1144/27/1, VIJAYA APARTMENTS NEW NALLAKUNTA, HYDERABAD-500 044, ANDHRA PRADESH.

Application.No. 932/Mas/88 filed December 30, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

1 Claim

A process for preparing a composition capable of being used against soft tissue cancers comprising admixing finely powdered Mercuric Chloride, Mercuric Sulphide, Mercuric Oxide, Mercuric Sulphate, Calamel in equal parts, sublimating the said mixture, collecting the white crystalline sublimate, powdering and titurating one gram of said powder with 10 grams of lactose, followed by titurating 1 gram of the resulting titurant with 10 gms of lactose, repeating the process at least 10 times, diluting 1 gram of the final product with 10 gms. of absolute alcohol and then agitating the said alcoholic solution to impart kinetic energy thereto, 1 gm. solution obtained is added to 10 gms. of absolute alcohol and the process repeated.

Compl. Specn. 9 Pages. No drawing.

Ind. Cl. : 86-B-[GROUP-LXVI (4)] 167711
Int. Cl.[4] : A 47 C 7/00.

A SUPPORT DEVICE FOR BODY SUPPORT APPLIANCES.

Applicant & Inventor : GORDON DOUGLAS GRIFFIN, OF 4594 VICTORIA CIRCLE, PROVO, UTAH 84604, U.S.A., AN AMERICAN CITIZEN.

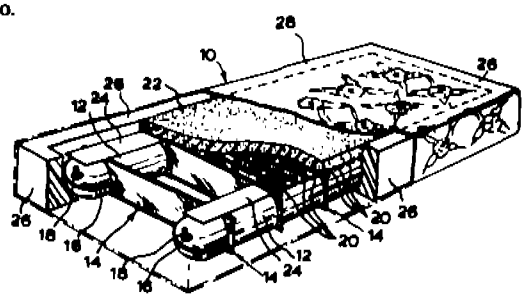
Application No. 733/Mas/85 filed September 20, 1985.

Convention date : September 20, 1984. (No. 8423810; Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

10 Claims

A device for body support appliances of the kind such as herein defined comprising a pair of flexible elongate tubes forming air springs which are spaced apart in parallel to one another by spacer members which effect the required spacing and the said spacer members impart lateral stability to said tubes, a body support surface formed by a series of body support members extending parallel to each other and transversely of said tubes, said body support members being fixedly attached to the underside of a sheet of flexible, resilient material extending over the whole body support surface, the body support members resting on the tubes without any connection thereto.



Compl. Specn. 8 Pages. Drg. 1 Sheet.

Ind. Cl. : 198-A & B-[GROUP-XXXIV (5)] 167712
Int. Cl.[4] : B 03 B 5/60; 5/28.

PULSATOR FOR ENRICHING MINERALS SUCH AS HARD COAL.

Applicant : ZABRZANSKIE GWARECTWO WEGLOWE KOPADNIA WEGLA KAMIENNEGO, "ZABRZE-BIELSZOWICE", OF 41-806, ZABRZE, UL. LOMPY 11, POLAND, A POLISH INSTITUTE.

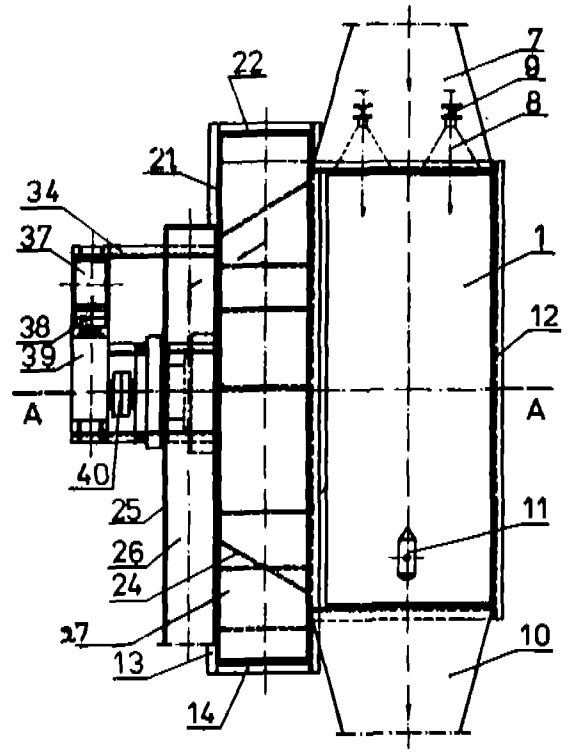
Inventors : (1) BOLESLAW JONDRO, (2) JAN JANIK, (3) HERBERT PYKA.

Application No. 346/Mas/86, filed May 2, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

18 Claims

A pulsator for enriching minerals such as hard coal, having a working compartment in the form of a water box, divided with a screen deck, provided with a chute for feeding mineral, a chute for receiving enriched mineral, a float used for regulating the thickness of the layer of stone and minerals separated from the hard mineral on the screen deck, a pulsation compartment, a drive for rotating parts, a hoisting wheel in the pulsation compartment in the form of a chamber, a bracket or a ratchet wheel (83) mounted on a drive shaft (2 or 58) running on bearings (32, 33 or 95, 96) above liquid level in the hoisting wheel chamber and a working trough (1 or 57), wherein the hoisting wheel chamber is of cylindrical shape, which is connected to the working trough (1 or 57) along its longer side and is separated from the working trough (1 or 57) by a wall (1 or 60), the housings of bearings (95, 96) being secured to a supporting structure (67) and a bearing structure.



Compl. Specn. 34 Pages. Drgs. 6 Sheets.

Ind. Cl. : 187-C1-[GROUP-LXII(2)] 167713
Int. Cl.[4] : H 04 M 3/00; 7/00.

A TELECOMMUNICATIONS EXCHANGE PARTICULARLY FOR HANDLING DIGITAL DATA OR DIGITISED VOICE SIGNALS.

Applicant : GEC PLESSEY TELECOMMUNICATIONS LIMITED (A BRITISH COMPANY), OF NEW CENTURY PARK, P.O. BOX 53, COVENTRY CV3 1HJ, ENGLAND.

Inventors : (1) PAUL ALLAN, (2) KEITH EDMUND DRAGE.

Application No. 387/Mas/86 filed May 20, 1986.

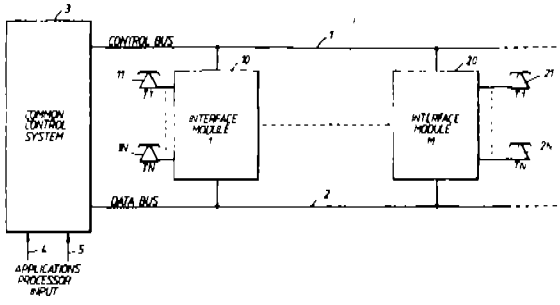
Convention date : June 18, 1985; (No. 8515347; Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims

A telecommunications exchange particularly for handling digital data or digitised voice signals, comprising a common control means a plurality of interface units, a control bus interconnecting the common control means with the plurality of interface units, and each interface unit having a plurality of communications terminals connected thereto; a data bus interconnecting the interface units for passing data therebetween in a time division multiplexed scheme which provides

in each cycle of operation a predetermined number of time sequential data bit positions, and each interface unit including means for providing the time sequential address of the currently available data bit position on the data bus; each interface unit including register means associated with each terminal connected thereto for storing a start and stop address, between which addresses the terminal may transmit or receive data on the data bus during each said cycle of operation, means for comparing said time sequential address of the currently available data bit position with the start and stop addresses stored in the register means, and means responsive to the result of said comparison to start and stop transmission or reception of the respective terminal; and the common control means being operable in response to desired terminal interconnections for transmitting on the control bus start and stop address for the terminals to be interconnected for storage in the respective associated register means, thereby allocating a desired channel bandwith to the terminal interconnection.



Compl. Specn. 15 Pages. Drgs. 2 Sheets.
(One sheet of size 33.00 cms. by 41.00 cms.)

Ind. Cl. : 31 C. 97 H, 97 F [GROUP LVIII (2), LIX (2)] 167714
Int. Cl.[4] : H 05 B 3/10, H 05 B 3/20.

A SHEET HEATER AND A METHOD OF MAKING IT.

Applicant : RAYCHEM CORPORATION, A COMPANY ORGANISED ACCORDING TO THE LAWS OF THE STATE OF CALIFORNIA, 300 CONSTITUTION DRIVE, MENLO PARK, CALIFORNIA 94025, U.S.A.

Inventors : (1) BATLIWALLA NEVILLE SAM, (2) OSWAL RAVINDER KUMAR, (3) SHAFE JEFF.

Application No. 404/Mas/86, filed May 26, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

14 Claims

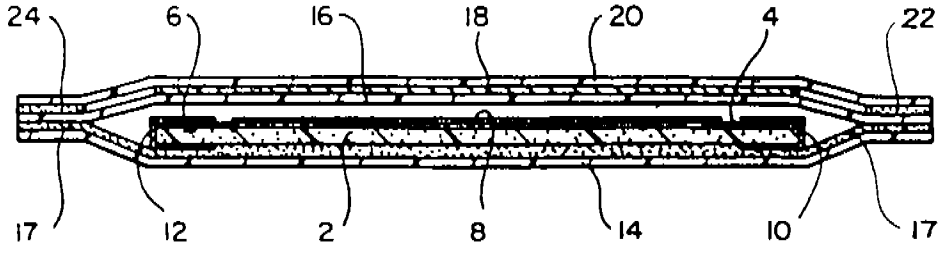
An electrical sheet heater which comprises :

(1) a laminar resistive element which is composed of a conductive polymer composition comprising an organic polymer and a conductive filler dispersed therein;

(2) two or more electrodes which are secured to a portion of a surface of the element, thus leaving a portion of that surface exposed;

(3) a first insulating layer which (a) is positioned over and directly contacts at least part of the electrodes and at least part of the exposed surface of the resistive element, and (b) comprises an organic polymeric composition which is applied in the liquid form and which, when cured, has a tensile strength of less than 2.76×10^6 dyne/cm^2 at 23°C; and

(4) a second insulating layer which is positioned over the electrodes, the resistive element and the first insulating layer.



Compl. Specn. 16 Pages. Drg. 1 Sheet.

Ind. Cl. : 172 F [GROUP XX] 167715
Int. Cl.[4] : D 06 M 11/12.

A MASTERBATCH COMPOSITION FOR DELUSTERING A PROCESSABLE POLYAMIDE.

Applicant : RHONE-POULENC FIBRES, A FRANCH BODY CORPORATE, OF 129, RUE SERVIENT, 69003, LYON, FRANCE.

Inventors : (1) PIERRE PERROT, (2) GEORGES VUILLEMEY.

Application No. 456/Mas/86 filed June 12, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 Claims

A masterbatch composition for delustering a processable polyamide comprising :

50 to 90% by weight of a polyamide and 10 to 50% by weight of anatase titanium dioxide having a mean particle size from 0.15 to 0.45 μm coated with a mixture of silica and alumina in a proportion of 0.01 to 1.5% of silica and 1 to 3% of alumina and treated with 0.2 to 10% of polydimethylsiloxane oil; the said percentages being based on the weight of the coated titanium dioxide powder; wherein the said polyamide is made from 30 to 100% of hexamethylene adipamide and 0 to 70% of caproamide.

Compl. Specn. 24 Pages. Drg. Nil.

Ind. Cl. : 85 G [GROUP XXXI] 167716
Int. Cl.[4] : B 29 B 13/02, B 29 C 35/00.

A HEATING APPARATUS FOR SHEET MATERIAL.

Applicant : CMB PACKAGING (U.K.) LIMITED, WOODSIDE, PERRY WOOD WALK, WORCESTER WR5 1EQ ENGLAND, A BRITISH COMPANY.

Inventors : (1) JOHN CLARKE, (2) RODERICK MICHAEL DE'ATH, (3) DEREK ERNEST HAYCOCK.

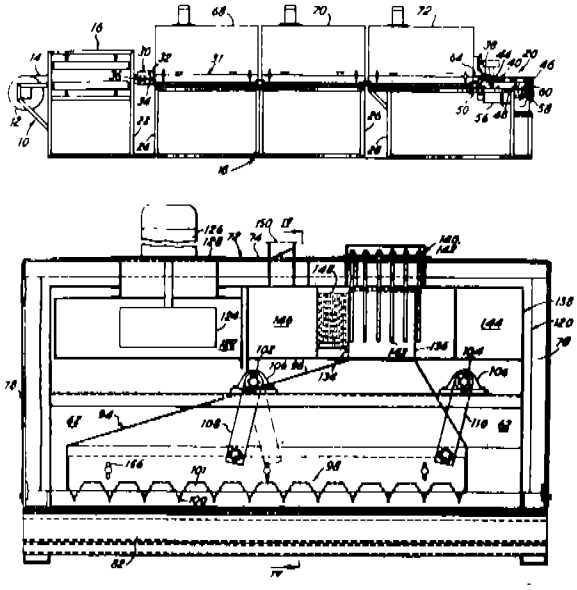
Application No. 458/Mas/86 filed June 13, 1986.

Convention dated 21-6-1985 No. 8515827, (United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

10 Claims

A heating apparatus for sheet material, comprising a thermally insulated enclosure having inlet and outlet openings for said sheet material to pass therethrough, support means within said enclosure for supporting said sheet material to pass between said openings, movable gas delivery means within said enclosure to deliver hot gas on to said sheet material across substantially the width of the same, the said gas delivery means has a reciprocable hot gas distributor, drive means for reciprocating said delivery means to and fro longitudinally of the sheet material so that during each reciprocating movement the distributor covers a substantial length of the sheet material within the apparatus, conduit means having a fan for receiving hot gas delivered by said delivery means to said sheet material and for recirculating it to said delivery means, and heating means thermally associated with said conduit means for heating the recirculating gas in advance of said delivery means.



Compl. Specn. 23 Pages. Drgs. 6 Sheets.

Ind. Cl. : 103 [GROUP XLV (1)] 167717
Int. Cl.[4] : B 63 B 59/00.

A DEVICE FOR USE IN THE PROTECTION OF PIPES IN A SPLASH ZONE ON A RIG CONSTRUCTION AT SEA.

Applicant : PROTEC A/S, A NORWEGIAN COMPANY, OF LERVIGSVN. 32, N-4000, STAVANGER, NORWAY.

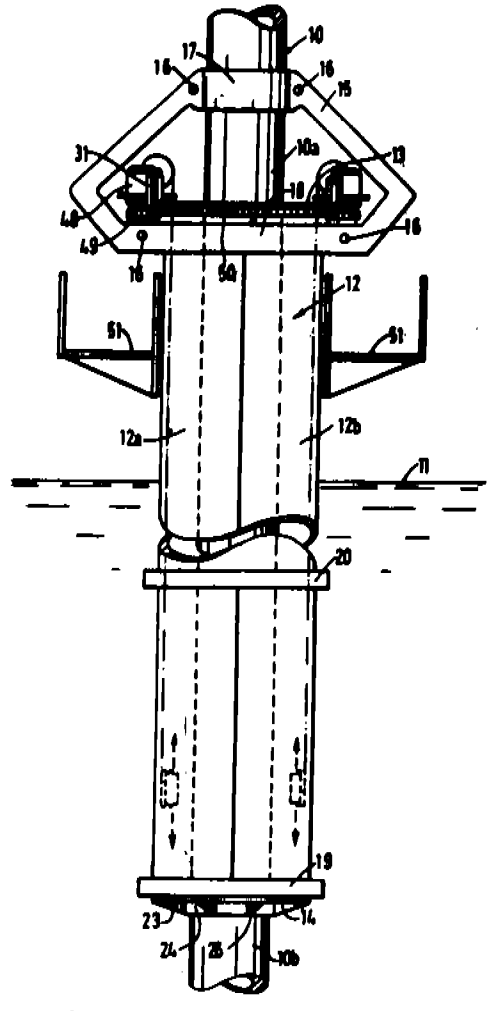
Inventors : (1) TOR EYSTEIN HOVDA, (2) KJELL OVE TOSKA.

Application No. 465/Mas/86 filed June 16, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims

A device for use in the protection of pipes in a splash zone on a rig construction at sea comprising a container made up of at least two parts for assembly around the pipe and having a length which spans both exposed and submerged portions of said pipe, said container and said pipe defining therebetween an annular chamber which is open below and above or closed at one or both ends thereof, wherein said container is sealable at its lower and/or upper end(s) against the pipe and the annular chamber has a breadth which is limited relative to its length, and in that said device comprises a first carriage component adapted for mevement in said annular chamber around the axis of the pipe or trunk; a guide and support assembly for said first carriage component; a second carriage component guided and supported by the first carriage component and adapted for movement along the latter in a direction axially of the pipe or trunk, said second carriage component comprising a holder for the replaceable mounting of equipment designed for remotely controlled cleaning and inspection of the surface of the pipe or trunk and the application of protective medium thereto; and parts enabling operation of said equipment and which pass from an upper portion to a lower portion of said annular chamber.



Compl. Specn. 17 Pages. Drgs. 4 Sheets.

Ind. Cl. : 140 B 3 [GROUP XI (2)] 167718
Int. Cl.[4] : C 10 G 73/02.

A PROCESS FOR CATALYTICALLY DEWAXING A HYDROCARBON OIL FEEDSTOCK USING A CATALYST COMPRISING A SILICOALUMINOPHOSPHATE MOLECULAR SIEVE.

Applicant : CHEVRON RESEARCH COMPANY, A CORPORATION DULY ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 555 MARKET STREET, SAN FRANCISCO, CALIFORNIA, UNITED STATES OF AMERICA.

Inventor : STEPHEN J. MILLER.

Application No. 471/Mas/86 filed June 17, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

12 Claims

In a process of catalytically dewaxing a hydrocarbon oil feedstock which boils above 350°C and containing straight chain and branched chain hydrocarbons, the improvement comprises contacting said oil feedstock with a catalyst comprising an intermediate pore size silico aluminophosphate m lecular sieve such as hereinbefore described and at least one Group VIII metal in the range of 0.01% to 10% based on the weight of molecular sieve, the said process is conducted at a temperature of from 200°C to 474°C, a pressure of 15 psig to 3000 psig, and a liquid hourly space velocity of from 0.1^{-1} hr to 20 hr^{-1} for the said feedstock to obtain a dewaxed product having improved molecular weight and improved viscosity.

Compl. Specn. 33 Pages. Drgs. 4 Sheets.

Ind. Cl. : 39-L-[GROUP-III] 167719
Int. Cl.[4] : C 01 G 49/02.

PROCESS FOR PREPARING MICACEOUS IRON OXIDE.

Applicant : COOKSON LAMINOX LIMITED, A COMPANY INCORPORATED IN ENGLAND, OF 14 GRESHAM STREET, LONDON EC 2V 7 AT, ENGLAND.

Inventors : (1) ROY DAVID LAUNDON, (2) ANTHONY JOHN WICKENS, (3) JOHN HARRY WALLICE.

Application No. 583/Mas/86 filed July 22, 1986.

Convention date : February 24, 1983; (No. 8305145; United Kingdom).

Divisional to Patent No. 160133 (121/Mas/84); (Ante-dated to 22nd February, 1984).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 Claims

A process for the preparation of micaceous iron oxide which comprises sujecting iron chloride to oxidation with oxygen or an oxygen-containing gas at a temperature of 500°C to 1000°C in the presence of at least one salt of an alkali metal or alkaline earth metal, wherein the reaction is effected in a packed-tower reactor in the presence of an inert packing material and wherein the weight ratio of salt : iron chloride is 0.25 : 1 to 10 : 1 the micaceous iron oxide product having a minimum film thickness of 150μ formed on the inert packing material is separated in a known manner.

Compl. Specn. 32 Pages. Drgs. 2 Sheets.

Ind. Cl. : 32-$F_{3\,(c)\ \&\ (d)}$ [IX (1)] 167720
Int. Cl.[4] : C 07 C 177/00.

A PROCESS OF PREPARING A HYDROPHOBIC ACETOXYALKYL ESTER OF PROSTAGLANDIN.

Applicants : (1) TSUNEYOSHI KAWATE & (2) TSUYOSHI OHNISHI, CITIZENS OF JAPAN, OF 502 KING OF PRUSSIA ROAD, RADNOR, PENNSYLVANIA 19087, U.S.A.

Inventor : TSUYOSHI OHNISHI.

Application No. 682/Mas/88 filed September 30, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims

A process of praparing a hydrophobic acetoxyalkyl ester of prostaglandin comprising reacting a prostaglandin with an acetoxyalkyl halide in which the alkyl group has 1 to 6 carbon atoms recovering the hydrophobic acetoxyalkyl ester of prostaglandin by known manner.

The compounds prepared according to this invention are useful in the treatment of thrombosis, inflammation, allergy and ulcer.

Compl. Specn. 20 Pages. Drgs. 13 Sheets.

Name Indexes of Applicants for Patents for the month of June, 1990 (No. 463/Cal/90 to 545/Cal/90, 141/Bom/90 to 174/Bom/90, 429/Mas/90 to 529/Mas/90, and 528/Del/90 to 665/Del/90.

Name & Appln. No.

CALCUTTA

—A—

Air Preheater Co. Inc. The.—534/Cal/90.

Alcan International Ltd.—480/Cal/90

Allsop Inc. 484/Cal/90.

Ambasz, E.—537/Cal/90.

American Cynamid Co.—474/Cal/90, 477/Cal/90.

Atochem North America, Inc.—493/Cal/90.

Ashton, B.—524/Cal/90.

—B—

Babcock & Wilcox Co. The.—476/Cal/90, 506/Cal/90.

Bhattacharyya, B. C —463/Cal/90.

Bohler Pneumatik International Gesellschaft m.b H.—498/Cal/90.

Boulet D' Auria, Terlizziet Cie.—467/Cal/90, 469/Cal/90.

—C—

CF & I Steel Corporation.—520/Cal/90.

Choudhury, M. K.—528/Cal/90.

—D—

Dansk Industri Syndikat A/S.—535/Cal/90.

Das, A. K.—507/Cal/90, 538/Cal/90

Development Consultants Ltd.—488/Cal/90.

Dutta, P (Sri).—485/Cal/90.

—E—

E.I. Du Pont De Nemours and Co.—486/Cal/90, 487/Cal/90, 494/Cal/90, 503/Cal/90, 509/Cal/90, 544/Cal/90.

Elpatronic AG.—525/Cal/90.

—F—

Franz Buttner AS.—526/Cal/90.

Franz Plasser Bahnbaumaschinen-Industriegesellschaft m.b.H.—505/Cal/90.

Fuji Kura Ltd.—515/Cal/90.

Name & Appln. No

—G—

Globe-Union, Inc.—495/Cal/90

—H—

Hitachi Construction Machinery Co Ltd —500/Cal/90.

Hi-Tek Polymers, Inc —531/Cal/90.

Hoechst AG.—464/Cal/90, 468/Cal/90, 502/Cal/90, 510/Cal/90, 536/Cal/90, 541/Cal/90, 542/Cal/90, 543/Cal/90.

Hollandse Signaalapparaten B V —521/Cal/90.

—I—

ICI India Ltd.—529/Cal/90

Immobiliare San Remigio S.R.L.—527/Cal/90.

Interstate Chemical, Inc —504/Cal/90.

Isover Saint-Gobain.—508/Cal/90.

—K—

Krause Milling Co.—474/Cal/90.

—L—

Lanxide Technology Co LP —479/Cal/90, 480/Cal/90, 481/Cal/90.

Lee, Y. H.—511/Cal/90, 512/Cal/90, 513/Cal/90.

—M—

Magus Ltd —470/Cal/90.

Mahapatra, P. K.—489/Cal/90.

Metallegesellschaft AG.—491/Cal/90.

Mitsuba Electric Manufacturing Co., Ltd.—532/Cal/90.

Mukherjee, C. (Dr.).—471/Cal/90.

Mukherjee, C. R.—483/Cal/90.

Murphy Food Specialities Pvt. Ltd.—475/Cal/90.

—N—

NGK Insulators Ltd.—497/Cal/90.

N. V. Phillips' Gloeilampenfabrieken.—490/Cal/90, 519/Cal/90.

Nauchno-Proizvodstvennoe Obiedinenie "Neftеavtomatika" USSR.—496/Cal/90.

—O—

Oliver Rubber Company.—516/Cal/90.

Name & Appln. No.

—P—

Pennwalt Corporation.—523/Cal/90.

Permx b.v.—533/Cal/90.

Projects & Development India Ltd. M/a.—522/Cal/90.

Putatunda, S. K.—501/Cal/90.

—R—

RCA Licensing Corporation.—472/Cal/90.

—S—

S. & T. No. 27 Pty. Ltd.—545/Cal/90.

Samsung Electron Devices. Co. Ltd.—517/Cal/90, 518/Cal/90.

Sidaway, G.—478/Cal/90.

Siemens Aktiengesellschaft.—482/Cal/90.

Stopine AG.—492/Cal/90.

—T—

Tractel Tirfor India Pvt. Ltd.—514/Cal/90.

—U—

Union Kogyo Kabushiki Koisha.—473/Cal/90.

—V—

Veitscher Magnesitwerke-Actien-Gesellschaft.—498/Cal/90. 540/Cal/90.

Villmax S.A.D.E.C.V.—539/Cal/90, 540/Cal/90.

—W—

Westinghouse Electric Corporation.—465/Cal/90. 466/Cal/90. 499/Cal/90, 530/Cal/90.

BOMBAY

—A—

Ahmedabad Textile Industry's Research Association.—159/Bom/90, 160/Bom/90, 161/Bom/90, 162/Bom/90.

Ahuja, N. B.—166/Bom/90.

Ashok, N. C.—149/Bom/90.

—B—

Bahadur, V.—165/Bom/90.

Bajaj Auto Ltd.—144/Bom/90.

Bhatia, K. B.—157/Bom/90, 171/Bom/90.

Name & Appln. No.

—C—

Chhabria, R. K.—147/Bom/90, 148/Bom/90.

Chodaparambil N. A.—149/Bom/90.

—D—

Desai Foundation.—168/Bom/90.

—H—

Hindustan Lever Ltd.—143/Bom/90, 155/Bom/90, 156/Bom/90, 173/Bom/90.

—J—

Jatav, M. B.—151/Bom/90.

Joshi, D. M.—164/Bom/90.

Joshi, K. L. 167/Bom/90.

Joshi, R. L.—167/Bom/90.

—L—

Larsen & Toubro Ltd.—152/Bom/90.

—M—

Manjreker, D. R.—163/Bom/90.

Matalia, M. L.—146/Bom/90.

—N—

Nikam, L. S.—154/Bom/90.

—P—

Parikh, R. H.—141/Bom/90, 153/Bom/90, 174/Bom/90.

Prahladbhai, P. M.—145/Bom/90.

Prasad, R.—158/Bom/90.

—S—

Samsung Electronics Co. Ltd.—150/Bom/90, 170/Bom/90.

—T—

Tamhankar, A. M.—172/Bom/90.

Tani C. G.—141/Bom/90.

Todd A. Weinfield.—169/Bom/90.

—W—

Waggon Union GMBH.—142/Bom/90.

Name & Appln. No.

MADRAS

—A—

AVT Anlagen-und Verfahrenstechnik GmbH.—470/Mas/90.

Abraham, V. I.—444/Mas/90.

Akebono Brake Industry Co., Ltd.—465/Mas/90.

Amsted Industries Incorporated.—526/Mas/90.

Austen Barnes Advanced Technology Inc.—432/Mas/90.

—B—

B. H. R. Group Ltd.—484/Mas/90.

Bacon R. J.—500/Mas/90.

Bernard, B. A.—432/Mas/90.

Bruce, A.—510/Mas/90.

—C—

Cabot Corporation.—433/Mas/90.

Carclo Engineering Group Plc.—454/Mas/90.

Chamberlain Group Inc The.—446/Mas/90.

Chandrashekar, K. V.—472/Mas/90.

Chandrasekhar, T.—479/Mas/90.

Charles O' Halloran.—439/Mas/90.

Ciba-Giegy AG.—471/Mas/90.

Climbminister Ltd.—497/Mas/90.

Cohen, M.—495/Mas/90.

Compagnie Geuerale des Etablissements Michelin Michelein & Ce.—499/Mas/90, 506/Mas/90.

Coneept RKK Ltd.—462/Mas/90.

—D—

DLT MFG Corporation.—429/Mas/90.

Dow Chemical Co. The.—452/Mas/90, 525/Mas/90.

—E—

Enichem Angusta SpA.—436/Mas/90.

—F—

Firma Dietze F & Schell Maschinenfabrik GmbH.—447/Mas/90.

Foseco International Ltd.—529/Mas/90.

Name & Appln. No.

—G—

Geroge, P. V.—434/Mas/90.

Grovag Grossventiltechnik AG.—485/Mas/90.

Gupta, V. K.—528/Mas/90.

—H—

Himont Incorporated.—441/Mas/90.

Hoechst Aktiengesellschaft.—496/Mas/90.

Hoogovans Group BV.—498/Mas/90.

Hug Medical Private Limited.—476/Mas/90.

Hylsa SA de C. V.—482/Mas/90, 483/Mas/90.

—I—

Industrial Insulations of Texas, Inc.—453/Mas/90.

Institut de recherches de la siderurgie francaise (IRSID en abrege).—517/Mas/90.

Institut Francais Du Petrole.—493/Mas/90.

Isoworth Limited.—501/Mas/90.

Israel Institute for Biological Research, The.—455/Mas/90.

—K—

Kabushiki Kaisha Aoyama.—512/Mas/90.

Kannan, R.—468/Mas/90, 469/Mas/90.

Kapur, P.—449/Mas/90.

Kesavan R.—488/Mas/90, 489/Mas/90.

Kinergy Corporation.—442/Mas/90.

Kokkandathil, J.—477/Mas/90.

Konarak Industria.—456/Mas/90.

—L—

La Cellulose du pin.—492/Mas/90.

Lobo, R. J. H.—474/Mas/90.

Lucas Industries Public Limited Co.—451/Mas/90, 523/Mas/90.

—M—

Maag Gear-Wheel & Machine Co. Ltd.—464/Mas/90.

Mannesmann Aktiengesellschaft.—440/Mas/90.

Maschinenfabrik Reinhausen GmbH.—448/Mas/90.

Name & Appln. No

M—Contd

Maschinenfabrik Rieter Ag —430/Mas/90, 431/Mas/90, 458/Mas/90, 459/Mas/90, 515/Mas/90, 522/Mas/90.

Mefina S. A.—508/Mas/90, 509/Mas/90.

Membrance Products Kiryat Weizmann Ltd —466/Mas/90.

Micro Motion, Inc —450/Mas/90.

—N—

Nakano, K.—475/Mas/90.

Nallasivan, P.—505/Mas/90.

Nokia-Maillefer Holding S. A.—443/Mas/90, 463/Mas/90.

Nove Nordisk A/S.—487/Mas/90.

—P—

Palitex Project Company GmbH.—513/Mas/90, 514/Mas/90, 516/Mas/90, 518/Mas/90, 519/Mas/90, 520/Mas/90, 521/Mas/90.

Pilkington PLC.—457/Mas/90.

—R—

Rao, T. D.—473/Mas/90.

Reddy A. V. K. (Dr.).—481/Mas/90.

Refurbished Turbine Components Limited —491/Mas/90.

—S—

Sandoz Ltd.—445/Mas/90, 507/Mas/90.

Schubert & Salzer Maschinenfabrik Aktiengesellschaft.—502/Mas/90, 504/Mas/90.

Selvam K. P.—468/Mas/90, 469/Mas/90.

Sivasubramanian, T.—467/Mas/90.

Societe des Produits Nestle S. A.—494/Mas/90, 511/Mas/90.

Stamicarbon B. V.—524/Mas/90.

Surana, N.—435/Mas/90.

Swanbeck G.—486/Mas/90.

—T—

Teikoku Hormone Mfg. Co. Ltd.—490/Mas/90.

Thangathiruppathy, V. V.—461/Mas/90.

Tribology Systems, Inc.—527/Mas/90.

Tsumura, M.—437/Mas/90.

Name & Appln. No.

—U—

Uddeholm Licensing Aktiebolag.—460/Mas/90.

Union Carbide Chemicals & Plastics Co. The.—438/Mas/90, 503/Mas/90.

—V—

Varughese, J. P.—478/Mas/90.

Vittal Mallya Scientific Research Foundation.—480/Mas/90.

DELHI

—A—

Agricultural Research & Advisory SDN BHD.—635/Del/90.

—B—

B. F. Goodrich Co. The.—653/Del/90, 654/Del/90.

B. P. Chemical Ltd.—596/Del/90, 611/Del/90, 643/Del/90

Beatty, J. B.—610/Del/90.

Blesstec AB.—562/Del/90.

—C—

C. R. Bard, Inc.—564/Del/90, 565/Del/90.

Chambre Syndicale Des Patrons Magissiers.—626/Del/90.

Colgate Palmolive Co.—582/Del/90, 583/Del/90, 584/Del/90, 585/Del/90, 586/Del/90, 628/Del/90.

Cook, P. P. 546/Del/90.

Council of Scientific & Industrial Research.—530/Del/90, 618/Del/90, 619/Del/90, 620/Del/90, 621/Del/90, 622/Del/90, 623/Del/90, 624/Del/90, 625/Del/90, 646/Del/90, 647/Del/90, 648/Del/90, 649/Del/90.

—D—

De La Rue Giori S. A.—536/Del/90, 537/Del/90.

—E—

EMC Tamaco A/S.—581/Del/90.

Eighth Millieu Nominees Pty. Ltd.—573/Del/90.

Ethyl Corporation.—599/Del/90.

Eurotech Building Technologies Inc.—608/Del/90.

Exxon Research & Engineering Co.—572/Del/90.

—F—

FMT Holdings, Incorporated.—633/Del/90.

France And Chambre Syndicate De L' Industri Du Cuir De Mazamet.—626/Del/90.

Name & Appln No

—G—

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General Signal Corporation.—642/Del/90

Glaverbel.—657/Del/90

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—H—

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Hunter Doulgas Industries B.V.—567/Del/90

—I—

Imax Systems Corporation.—568/Del/90.

Imperial Chemical Industries PLC.—558/Del/90

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Institut National Polytechnique De Toulouse (INPT)—626/Del/90.

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Khetrapal, S. (Mrs)—547/Del/90, 548/Del/90, 549/Del/90, 550/Del/90, 551/Del/90, 552/Del/90, 553/Del/90, 554/Del/90, 555/Del/90.

Khetrapal, R. (Mr.).—547/Del/90, 548/Del/90, 549/Del/90, 550/Del/90, 551/Del/90, 552/Del/90, 553/Del/90, 554/Del/90, 555/Del/90.

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Kleeberg, H.—560/Del/90.

Kumar, S.—576/Del/90, 577/Del/90, 578/Del/90, 579/Del/90, 580/Del/90.

—L—

Laboratorios Del Dr. Esteve SA.—658/Del/90

Lorraine, F. G.—538/Del/90.

Lubrizol Corporation The.—660/Del/90

—M—

Mani Shiitake Trading Co. Inc (MAUL).—650/Del/90.

Middleburg Corporation.—597/Del/90.

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Minilec Protective Relays Private Ltd —609/Del/90

Motorola Inc.—574/Del/90.

—N—

Newfeld Ltd.—556/Del/90

Norsk Hydro AS —575/Del/90

—O—

Oil & Natural Gas Commission.—601/Del/90.

Otis Elevator Co.—598/Del/90, 629/Del/90

—P—

Paharpur Industries Ltd —587/Del/90

Patwardhan, A. K.—561/Del/90

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Pluss-Staufer AG —540/Del/90.

Procter & Gamble Co The.—531/Del/90, 557/Del/90, 570/Del/90, 637/Del/90, 638/Del/90.

—R—

Rhodia Aktiengesellschaft —563/Del/90

Riker Laboratories, Inc.—627/Del/90

—S—

STC PLC —655/Del/90.

Singhania, D. N 600/Del/90.

Synthelabo —651/Del/90

—U—

UOP —636/Del/90

U. C Industries Inc —595/Del/90

University of Georgia Research Foundation, Inc —617/Del/90.

—V—

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Voest Alpine Aktiengesellschaft.—639/Del/90, 640/Del/90

—W—

Warner-Lambert Co.—566/Del/90, 569/Del/90, 588/Del/90, 589/Del/90, 632/Del/90, 659/Del/90.

Werkzeugmaschinenfabrik Oerlikon-Buhrle AG —559/Del/90

Westerwaelder Eisenwerk Gerhard GmbH —529/Del/90

—Z—

Zaba Lee Enterprises Inc —608/Del/90

REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of registration in the entry.

Class 1. No. 162075. Reckitt & Colman of India Ltd., 41, Chowringhee Road, Calcutta-700071, W. B., India. Indian Company. "Container". May 2, 1990.

Class 3. No. 161963. Neptune Inflatables (P) Ltd., Indian Company of 39, Arathoon Road, Royapuram, Madras-600013, T. N., India. "Collapsible Swimming Pool". March 21, 1990

Class 3. No. 162080. Farheen Laboratory & Industries. M. B. House, 4th floor, 79, Ghoga Street, Fort, Bombay-1, Maharashtra, India, Indian Proprietory Concern. "Bottle". May 3, 1990.

Class 3. No. 162242. Raminder Singh, Indian National, 2, Church Lane, Calcutta-700001, W. B., India. "Rechargeable Torch". June 22, 1990.

Class 3. No. 162307. Reckitt & Colman Inc., 1655, Valley Road, Wayne, New Jersey 07474, U.S.A. "Bottle". July 10, 1990.

Class 3. No. 162310. Ess Kay Industries (India), CB-346 Ring Road, Naraina, New Delhi-110028, India, Indian Partnership Firm. "Refrigerator Stand". July 10. 1990.

Class 3. 162409. Etablissements Regnault, "Societe Anonyme", Chemin des Huguenots, 26000 Valence, France. "Writing Instrument". August 9, 1990.

Class 3. 162410. Mundhra Traders, Proprietory Concern, 38/42, Sham Seth Street (3rd Floor), Bombay-400002, Maharashtra, India. "Comb". August 9, 1990.

Class 3. No. 162427 Modern Home Care Products Ltd., 4, Community Centre, New Friends Colony, New Delhi-110065, India, Indian Company. "Deodorant Container". August 21, 1990.

Class 3. No. 162437. Toa Medical Electronics Co. Ltd., 2-1 Minatojimana-kamchi 7-Chome, Chuo-ku, Kobe-shi, Hyogo-ken, Japan. "Cuvette for chemical experiments". August 23, 1990.

Class 4. No. 162308. Reckitt & Colman Inc., 1655 Valley Road, Wayne, New Jersey 07474, U.S.A. "Bottle". July 10, 1990.

Class 4. No. 162336. Toa Medical Electronics Co. Ltd., a Japanese Company of 2-1, Minatojimankamchi 7-Chome, Chuo-ku, Kobe-Shi, Hyogo-ken, Japan. "Cuvette for chemical experiments" August 23, 1990.

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MGIPF—G—357 GI/90—300.

PRINTED BY THE MANAGER, GOVERNMENT OF INDIA PRESS FARIDABAD
AND PUBLISHED BY THE CONTROLLER OF PUBLICATIONS, DELHI, 1990